

CITY OF BUCKEYE

MILLER ROAD

LOWER BUCKEYE ROAD TO PIMA STREET

FINAL DESIGN PLANS

A PORTION OF SECTIONS 17, 18, 19 & 20, TOWNSHIP 1 NORTH, RANGE 3 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA

OWNER

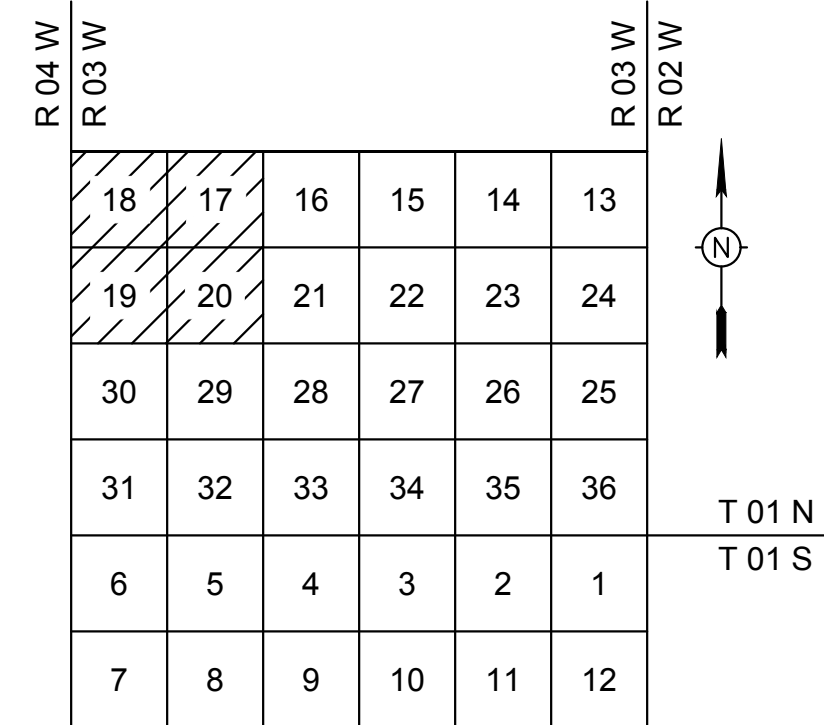
CITY OF BUCKEYE
 KEVIN HITCHCOCK
 5030 E MONROE AVE
 BUCKEYE, AZ 85326
 PHONE: (623) 349-6273
 FAX: (623) 349-6217
 KHITCHCOCK@BUCKEYEAZ.GOV

ENGINEER

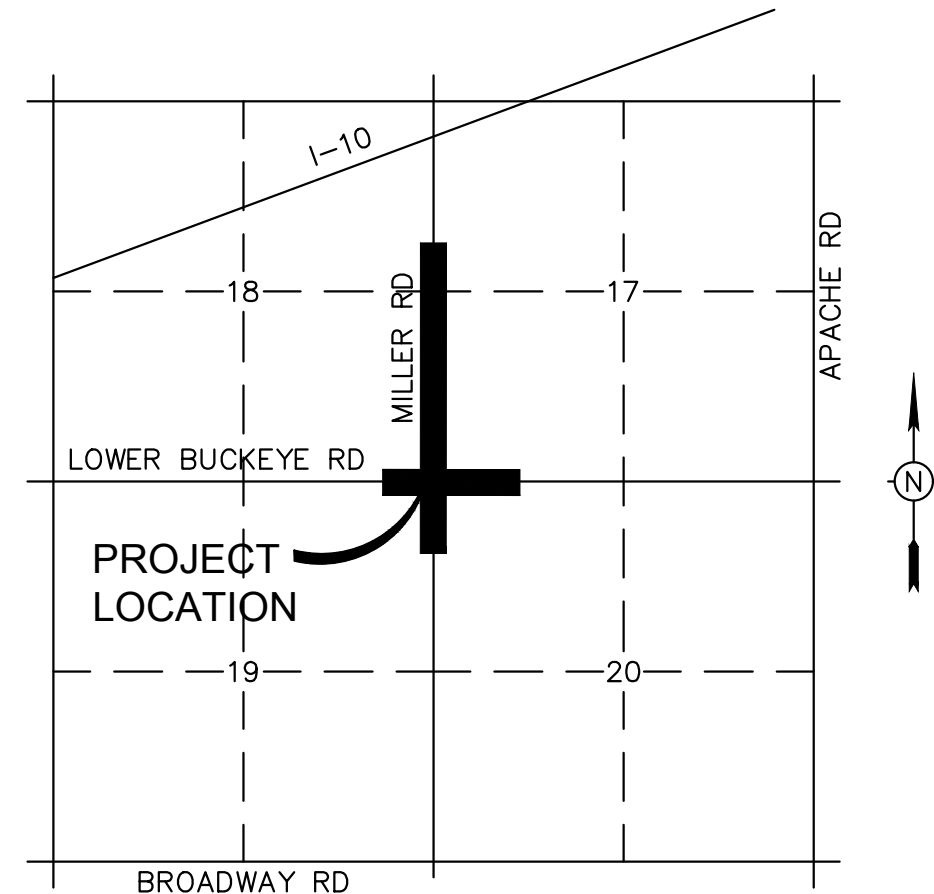
KIMLEY-HORN & ASSOCIATES, INC.
 JOEL VARNER, P.E.
 1001 W SOUTHERN AVE, UNIT 131
 PHOENIX, AZ 85210
 PHONE: (602) 906-1188
 FAX: (602) 944-7423
 JOEL.VARNER@KIMLEY-HORN.COM

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VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

FEMA FLOOD ZONE INFORMATION

COMMUNITY	COMMUNITY NUMBER	PANEL #	SUFFIX	DATE OF FIRM (INDEX DATE)	FIRM ZONE	BASE FLOOD ELEV. (IN AH ZONE, USE DEPTH)
MARICOPA COUNTY	040037	2115	L	10/16/2013	X	892
CITY OF BUCKEYE	040039					

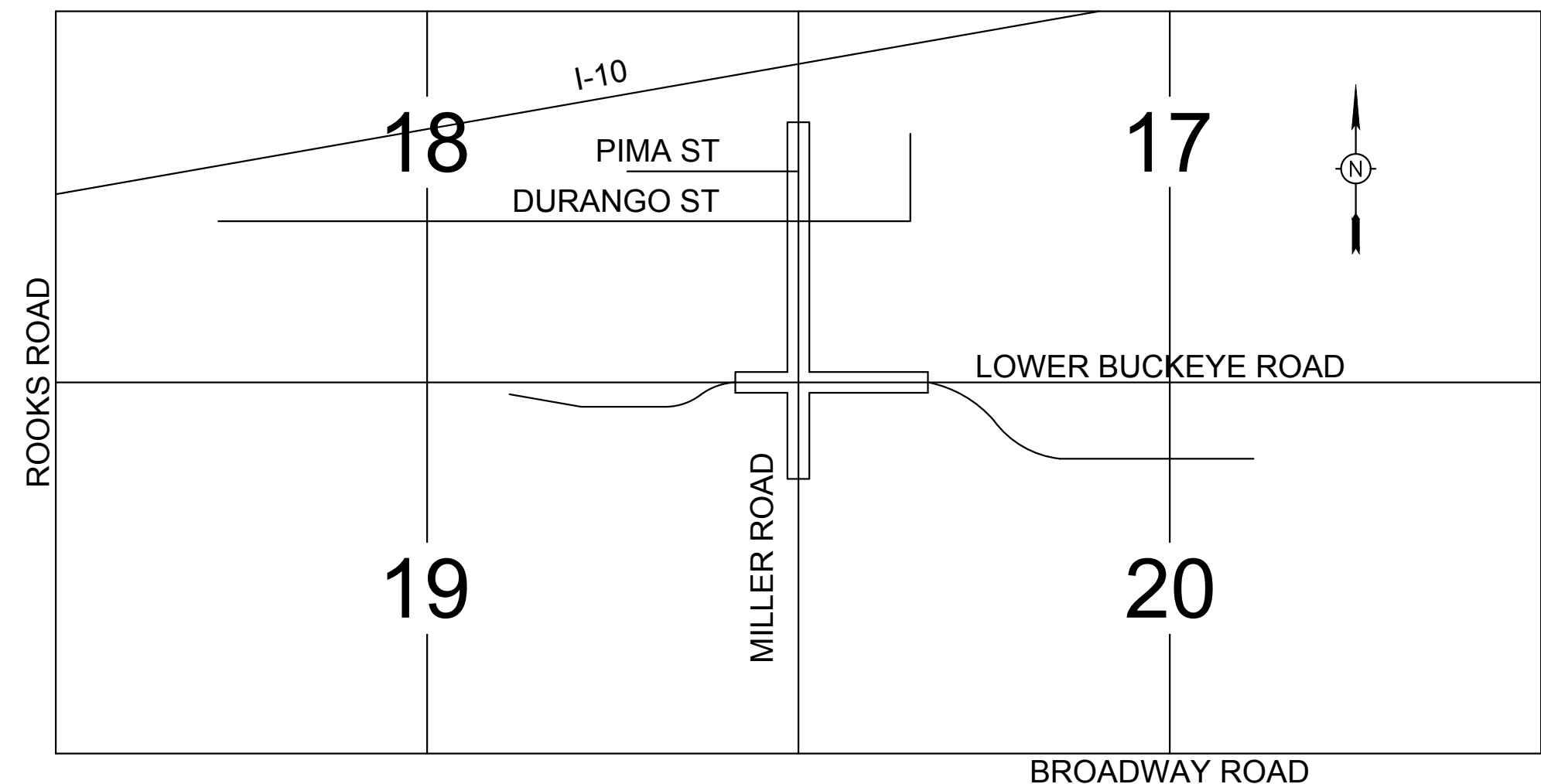
ALL FLOOD ZONES ARE SHOWN IN THIS PLAN SET.

GENERAL PERMITTING NOTES

- ALL CONSTRUCTION IN THE PUBLIC RIGHTS-OF-WAY OR IN EASEMENTS GRANTED FOR PUBLIC USE MUST CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY THE LATEST VERSION OF THE CITY OF BUCKEYE DESIGN STANDARDS. IF THERE IS A CONFLICT, THE CITY OF BUCKEYE STANDARDS WILL GOVERN.
- THE APPROVAL OF THE PLANS IS VALID FOR ONE (1) YEAR FROM THE DATE OF THE CITY ENGINEER'S SIGNATURE. IF AN ENCROACHMENT PERMIT FOR THE CONSTRUCTION HAS NOT BEEN ISSUED WITHIN ONE (1) YEAR, THE PLANS MUST BE RESUBMITTED TO THE CITY FOR REAPPROVAL.
- A CITY OF BUCKEYE INSPECTOR WILL INSPECT ALL WORKS WITHIN THE CITY OF BUCKEYE RIGHTS-OF-WAY AND IN EASEMENTS. NOTIFY THE CITY 24 HOURS PRIOR TO THE INSPECTION BY CALLING (623) 349-6248.
- CITY PERMITS ARE REQUIRED FOR ALL WORK IN PUBLIC RIGHTS-OF-WAY AND EASEMENTS GRANTED FOR PUBLIC PURPOSES. A CITY PERMIT WILL BE ISSUED BY THE CITY ONLY AFTER ALL FEES HAVE BEEN PAID AND THE PERMIT HAS AN APPROVED MARICOPA COUNTY ENVIRONMENTAL SERVICES DUST PERMIT AND AN APPROVED STORM WATER POLLUTION PREVENTION PLAN ATTACHED. THE SWPPP SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- COPIES OF ALL PERMITS AND MOST RECENT APPROVED PLANS MUST BE RETAINED ON-SITE AND BE AVAILABLE FOR INSPECTION AT ALL TIMES. FAILURE TO PRODUCE THE REQUIRED PERMITS AND PLANS WILL RESULT IN IMMEDIATE SUSPENSION OF ALL WORK UNTIL PROPER PERMIT DOCUMENTATION AND/OR PLANS ARE OBTAINED. ALL OF THESE REQUIREMENTS APPLY TO ONSITE GRADING AND IMPROVEMENT PLANS.

UTILITY COMPANIES DATE SUBMITTED

UTILITY COMPANIES	DATE SUBMITTED
ELECTRIC	ARIZONA PUBLIC SERVICE 11/22/2023
TELEPHONE	CENTURYLINK 11/22/2023
CATV	COX COMMUNICATIONS 11/22/2023
WATER	CITY OF BUCKEYE 11/22/2023
SEWER	CITY OF BUCKEYE 11/22/2023



OVERALL ROADWAY IMPROVEMENTS
NOT TO SCALE

SUMMARY OF QUANTITIES

PUBLIC

SEE SHEET 2 FOR SUMMARY OF QUANTITIES

BASIS OF BEARING

BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM ARIZONA STATE PLANE COORDINATE ZONE CENTRAL, DETERMINED BY RTK NETWORK GPS OBSERVATIONS.

BENCH MARK

A BRASS CAP IN HAND HOLE AT THE INTERSECTION OF DURANGO STREET AND MILLER ROAD OF THE EAST QUARTER CORNER OF SECTION 18, TOWNSHIP 1 NORTH, RANGE 3 WEST, G&SRM IN BUCKEYE, ARIZONA
 ELEVATION = 1056.829 (NAVD88)

APPROVAL

DISCLAIMER:

THE CITY APPROVES THESE PLANS FOR CONCEPT ONLY AND ACCEPTS NO LIABILITY FOR ERRORS AND OMISSIONS.

BY: _____ DATE _____
 CITY OF BUCKEYE ENGINEER

BY: _____ DATE _____
 MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT (MCESD)

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE "AS - BUILT" INFORMATION SHOWN HEREON WAS OBTAINED UNDER MY DIRECT SUPERVISION AND IS CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ARIZONA REGISTERED LAND SURVEYOR DATE

ARIZONA REGISTRATION NUMBER

TELEPHONE NUMBER

MANAGING ENGINEERING / SURVEYOR JOEL VARNER, P.E. / DAN FRANCETIC, R.L.S.	CHECKED	JCV	CHECKED
	DRAFTED	DLR	DRAFTED
PROJECT COORDINATOR JOEL VARNER, P.E.	JCV		
	FIELD SURVEY		
DRAWING SCALES AS NOTED ON PLANS			

FINAL DESIGN PLANS

7740 N. 16TH STREET, SUITE 300, PHOENIX, AZ 85020
 PHONE: 602-944-5500 | FAX: 602-944-7423
 WWW.KIMLEY-HORN.COM

MILLER ROAD
 LOWER BUCKEYE ROAD TO
 PIMA STREET
 FINAL DESIGN PLANS

COB PROJECT PLAN STICKER

REVISIONS:

1	
2	
3	

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
------------------------------	-------------------------------

AS-BUILT SEAL	DESIGN SEAL

ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 1 OF 133

FINAL

COB PLAN TRACKING #
 N/A
 COB PERMIT #
 ENGMJRCIP-21-003



SUMMARY OF QUANTITIES

Remove Tree, Diameter > 12"	EA	11	PNEUMATICALLY PLACED MORTAR (SHOTCRETE) 2" THICK	SY	624	Trombone Type B Signal Pole w/55 ft Mast Arm	EA	1
Subgrade Preparation	SY	42451	CONCRETE ENCASEMENT W/O REINFORCEMENT, 6" PIPE, MAG DET 404	LF	20	Pedestrian Push Button Post	EA	5
Aggregate Base Course, 8" Thick	SY	554	Remove and Salvage Traffic Sign Assembly	EA	31	20 ft Mast Arm (Luminaire)	EA	7
Aggregate Base Course, 12" Thick	SY	41897	Relocate Sign Assembly	EA	18	50 ft Mast Arm	EA	1
1.5" Asphalt Concrete Pavement (A12.5mm Arterial Superpave)	SY	10582	Relocate Type III Barricade	EA	2	Meter Pedestal Cabinet	EA	1
3" Asphalt Concrete Pavement (A12.5mm Arterial Superpave)	SY	41897	Remove Thermoplastic Stripe	LF	16127	Power Supply (Battery Backup)	EA	1
4" Asphalt Concrete Pavement (A19.0mm Arterial Superpave)	SY	41897	Remove Thermoplastic Left Arrow	EA	4	Control Cabinet (Type IV)	EA	1
3" Asphalt Concrete Pavement (R12.5mm Residential Mix)	SY	624	Remove Thermoplastic Right Arrow	EA	12	Opticom Pre-Emption Unit	EA	2
Portland Cement Concrete Pavement (PCCP) 9" Thick, Modified with Fiber Mesh, Class A, MAG Section 725	SY	1047	Remove Thermoplastic Legend Only	EA	8	Traffic Signal Face (Type F)	EA	17
Bituminous Tack Coat SS-1h, Diluted	TN	21.87	Remove Raised Pavement Marker	EA	329	Traffic Signal Face (Type R)	EA	12
Vertical Curb & Gutter, MAG Det 220, Type A, H=6"	LF	11365	4 in White Traffic Paint Stripe	LF	47861	Traffic Signal Face (Type Q)	EA	4
Single Curb, MAG Det 222, Type A	LF	638	4 in Yellow Traffic Paint Stripe	LF	13943	Traffic Signal Mounting Assembly (Type II)	EA	6
Concrete Sidewalk, MAG Det 230	SF	36347	Paint Symbol Left Turn Arrow	EA	34	Traffic Signal Mounting Assembly (Type V)	EA	13
Concrete Median Nose Transition, MAG Det 223 (4" Thick)	SF	707	Paint Symbol Right Turn Arrow	EA	35	Traffic Signal Mounting Assembly (Type VII)	EA	3
Median Pavers Per COB DTL 63206	SF	11080	Paint Symbol Straight Arrow	EA	1	Traffic Signal Mounting Assembly (Type XI)	EA	17
Directional Curb Ramp Per Detail Sheet 45	EA	8	Paint Symbol Bike Lane Marking Set	EA	4	Traffic Signal Mounting Assembly (TROM)	EA	8
Directional Curb Ramp Per Special Detail	EA	15	Paint Median Nose	EA	13	Luminaire (130W LED)(Horizontal Mount)(Traffic Signal)	EA	7
Curb Ramp Per Special Detail	EA	2	Paint Slip Lane Nose	EA	4	Luminaire (37W LED)(Horizontal Mount)(Traffic Signal)	EA	4
Concrete Apron and Valley Gutter, MAG Det 240	SF	4846	Paint Legend ONLY	EA	34	Electrical Conductors (Miller Rd and Lower Buckeye Rd)	Lump Sum	1
Bus Bay (City of Phoenix Det P 1256-1, Type 1)	EA	1	Paint Yield Marking Arrow Set	EA	4	Electrical Conductors (Miller Rd and Durango Rd)	Lump Sum	1
Concrete Bus Pad Per COP DTL P1261	EA	1	4 in White Thermoplastic Traffic Stripe	LF	47861	Electrical Conductors (Miller Rd and Pima Rd)	Lump Sum	1
Adjust Manhole Frame & Cover, MAG Det 422	EA	26	4 in Yellow Thermoplastic Traffic Stripe	LF	13943	ITS Conduit (3-2") (PVC) (Trench)	LF	80
Adjust Valve Box & Cover, MAG Det 391-1-A	EA	37	Thermoplastic/Prefomed Symbol Left Turn Arrow	EA	34	ITS Conduit (2 7-Way Microduct) (Trench)	LF	2410
Adjust Meter Box Per MAG Dtl 319	EA	1	Thermoplastic/Prefomed Symbol Right Turn Arrow	EA	35	ITS Conduit (2 7-Way Microduct) (Directional Drill)	LF	1330
Remove Pipe, Backfill & Compact, D less than 30"	LF	25	Thermoplastic/Prefomed Symbol Bike Lane Marking Set	EA	4	Relocate CCTV Camera	EA	1
Remove Pipe, Backfill & Compact, D=30" or greater	LF	59	Thermoplastic/Prefomed Legend Only	EA	34	Remove and Salvage Street Light	EA	16
Remove Catch Basin	EA	1	Thermoplastic/Prefomed Yield Marking Arrow Set	EA	4	APS Pull Box (APS Furnished, Contractor Installed)	EA	20
Remove Manhole	EA	1	Portland Cement, Removal of Curing Compound for Thermoplastic Application	LF	125	Electrical Conduit (1") (Carflex Liquid Tight Flexible Non-Metallic)	LF	300
Remove Fire Hydrant	EA	1	Portland Cement, Application of Primer-Sealer for Thermoplastic Application	LF	125	Sch. 40 PVC Elec. Cond. 2 1/2 in with 1/4 in Nyl PR #8 Bare Copper Wire Trench	LF	4200
Remove Water Meter	EA	6	Reflectorized Raised Pavement Marker (Type D, Yellow, 2-Way)	EA	525	Street Lighting Pole (Arterial, City of Buckeye Street Lighting Standard Detail #1)	EA	20
Remove Air Release Valve	EA	2	Reflectorized Raised Pavement Marker (Type G, Clear, 1-Way)	EA	947	Pole Foundation (City of Buckeye Street Lighting Standard Detail #1)	EA	20
Remove Headwall	EA	1	Reflectorized Raised Pavement Marker (Type BB, Blue, 2-Way)	EA	14	8 ft Mast Arm (City of Buckeye Street Lighting Standard Detail #4)	EA	40
Remove Exist Ditch, Backfill & Compact	LF	840	Perforated Sign Post (2" Square)	LF	831	Luminaire (130W LED)(Horizontal Mount)(DKBZ)	EA	32
Remove Concrete Curb and Gutter	LF	1251	Perforated Sign Post Foundation (COB Dtl 65120)	EA	70	Luminaire (87W LED)(Horizontal Mount)(DKBZ)	EA	8
Remove Valley Gutter	SF	653	Perforated Sign Post Foundation (ADOT Dtl S-3)	EA	4	Miscellaneous (Provide Electrical Services)	LS	1
Remove Exist Concrete Sidewalks, Driveways, and Slabs	SF	2895	Flat Sheet Aluminum Sign Panel, Diamond Grade	SF	523	16" X 12" Tapping Sleeve & Valve Per COB STD DTL 31344	EA	4
Remove Asphalt Concrete Pavement	SY	32914	Remove Traffic Signal and Equipment (Miller and Lower Buckeye)	LS	1	Class 350 8" DIP Waterline w/Polywrap	LF	6
Remove Guardrail	LF	355	Remove Traffic Signal and Equipment (Miller and Durango)	LS	1	Class 350 8" DIP Waterline w/Polywrap	LF	25
Remove Exist Concrete Irrigation Ditch	LF	34	Remove Traffic Signal and Equipment (Miller and Pima)	LS	1	Class 350 12" DIP Waterline w/Polywrap	LF	206
Remove Exist Fence	LF	1085	Internally Illuminated Street Name Sign	EA	2	Class 350 16" DIP Waterline w/Polywrap	LF	44
Survey Marker, MAG Det 120, Type B	EA	7	Remove and Salvage Pull Boxes	EA	1	6" Gate Valve w/ Box & Cover	EA	1
Survey Marker, MAG Det 120, Type A	EA	3	No. 9 Pull Box	EA	2	8" Gate Valve w/ Box & Cover	EA	2
Remove Survey Monument	EA	1	No. 7 Pull Box with Extension	EA	7	12" Restrained Cap, Corp Stop & Meter Box Per COB STD DTL 31368	EA	3
New Fence, Match In-Kind	LF	540	Electrical Conduit (2") (PVC)	LF	330	1" Water Service & Meter Box Per COB STD DTL 31330, 31331-1, & 31331-2	EA	1
Decomposed Granite, 1" Agg. Size, 2" Thick, Saddleback Brown Color	SY	2958	Electrical Conduit (2-2") (PVC)	LF	20	Fire Hydrant Per MAG Det 360-1, 360-3 & COB STD DTL 31410, 31412, & 31414	EA	1
Schedule 80 PVC 6" Irrigation Sleeve, Spears or Equal, See Detail Sheet 7	LF	509	Electrical Conduit (2-3") (PVC)	LF	20	Concrete Encasement Per MAG Det 404	LF	25
Headwall, MAG Det 501, U Type, 36" Pipe	EA	1	Electrical Conduit (3-3") (PVC)	LF	180	Remove Existing Water Stub Per Cut & Capt Detail Sheet 7	EA	2
Install Fire Hydrant, MAG Det 360	EA	1	Electrical Conduit (2 1/2") (PVC)	LF	100	Remove Existing 16" DIP Waterline.	LF	44
Water Meter per COB Dtl 31330	EA	5	Pole Foundation (Type A)	EA	3	6" PVC Sanitary Sewer Pipe	LF	160
2" Air Release Valve Per COB Dtl 31340-1 & 31340-2	EA	3	Pole Foundation (Type G)	EA	7	8" VCP Sanitary Sewer Pipe	LF	33
Concrete Pipe Collar for 36" Pipe, MAG Det 505	EA	1	Pole Foundation (Trombone 50 ft SMA to 55 ft SMA)	EA	1	12" VCP Sanitary Sewer Pipe	LF	398
36" RGRCP, Class IV	LF	25	Pole Foundation, Type PB (Push Button)	EA	5	Remove Plug, Connect to Existing 6" PVC Sanitary Sewer Pipe	EA	3
EARTHWORK FOR RETENTION BASINS	CY	1978	Meter Pedestal Foundation	EA	1	Remove Plug, Connect to Existing 12" VCP Sanitary Sewer Pipe	EA	2
CHANNEL EXCAVATION	CY	1128	Control Cabinet Foundation	EA	1	Connect to Existing 5' Dia. Polymer Manhole	EA	1
GROUTED RIPRAP	CY	10	Battery Backup Foundation	EA	1	6" Pipe Plug Per MAG DTL 427	EA	3
CATCH BASIN MODIFIED COB DTL B-510, L=17' ONE WING	EA	1	Pedestrian Push Button with Sign	EA	16	12" Pipe Plug Per MAG DTL 427	EA	3
CATCH BASIN MODIFIED COB DTL B-510, L=17 & L=6' TWO WING	EA	3	Pedestrian Signal Indication	EA	15	Testing Cleanout and Meter Box, COB STD DTL 41270. Size As Noted	EA	7
CATCH BASIN MODIFIED COB DTL B-510, L=17 & L=10' TWO WING	EA	3	Relocate Gridsmart Camera	EA	1	60" Sanitary Sewer Manhole W/ 30" Cover, MAG DTL 423-2 & COB STD DTL 41250-1, 41250-2, & 41260	EA	1
HEADWALL PER COB DTL 51200, WITH TRASH RACK PER COB DTL B-508 & HANDRAIL PER COB STD DTL B-110	EA	5	Type A Signal Pole 8 ft	EA	2			
STORM DRAIN MANHOLE, MAG STD DTL 520 & 522 WITH 30" FRAME AND COVER PER MAG DTL 423-2	EA	1	Type G Signal Pole	EA	6			
18" REINFORCED CONCRETE PIPE, CLASS IV	LF	263	Relocate Type A Signal Pole	EA	1			
			Relocate Type G Signal Pole	EA	1			



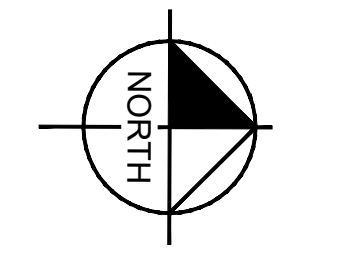
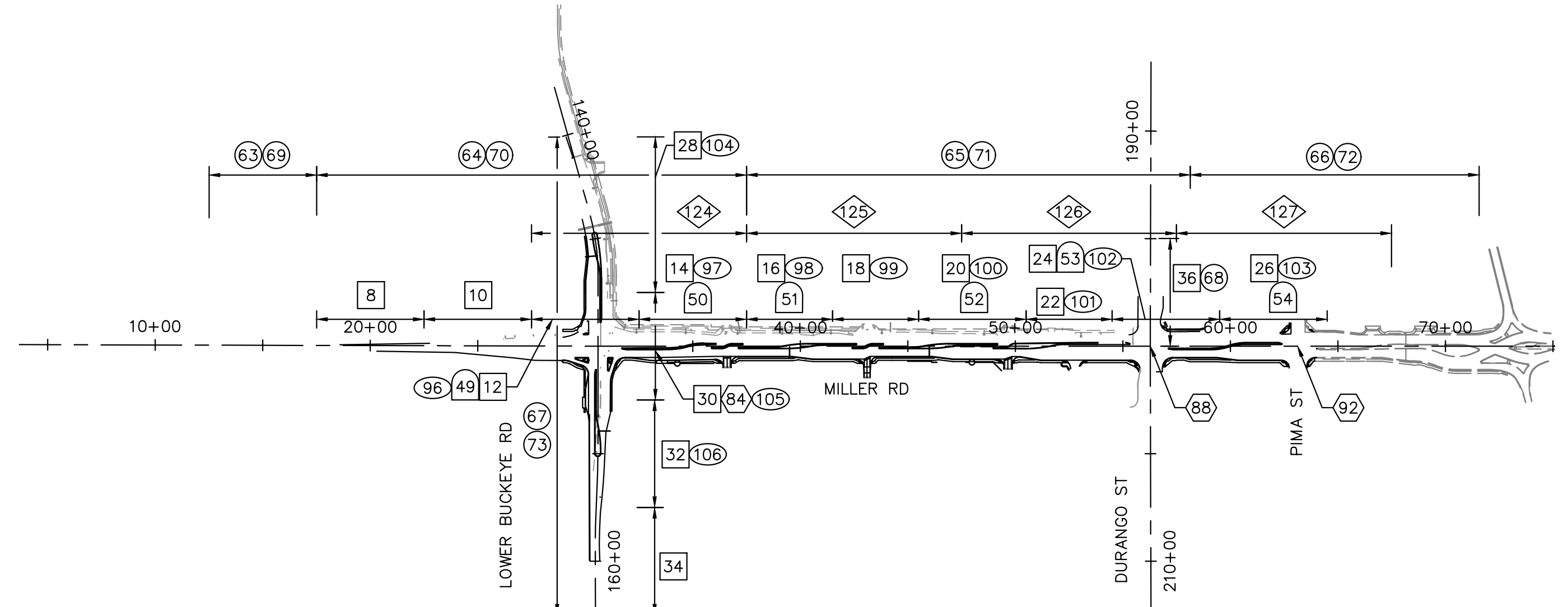
REVISIONS:	
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PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS SUMMARY OF QUANTITIES	
ENGINEER INFORMATION Kimley-Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500 COB PERMITTING APPROVED SEAL COB ENGINEERING APPROVED SEAL	
FINAL SUBMITTAL:	
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE	LATEST REVISION DATE
3/28/2024	
PROJECT NUMBER	SHEET NUMBER
CIP #105260	2 OF 133
COB PLAN TRACKING # N/A COB PERMIT # ENGMJRCIP-21-003	

NEW

EXIST

SYMBOL DESCRIPTION

		VERTICAL CURB & GUTTER
		SINGLE VERTICAL CURB
		FENCE
		RIGHT-OF-WAY
		EASEMENT LINE
		PROPERTY LINE
		CONSTRUCTION CENTERLINE
		CUT SLOPE
		FILL SLOPE
		CABLE TV LINE
		OVERHEAD ELECTRIC AND FIBER-OP
		FIBER-OPTIC LINE
		WATER LINE
		DUCT BANK
		OVERHEAD ELECTRIC
		UNDERGROUND ELECTRIC
		SEWER
		STORM DRAIN
		SAWCUT
		SURVEY MONUMENT
		WATER METER
		FIRE HYDRANT
		WATER VALVE
		AIR RELEASE VALVE
		COMMUNICATIONS MANHOLE
		STREET LIGHT
		TRAFFIC SIGNAL
		ELECTRIC BOX
		POWER POLE
		GUY WIRE
		STREET SIGN
		COMMUNICATIONS PEDESTAL
		ELECTRIC METER
		ELECTRIC CABINET
		TRAFFIC SIGNAL BOX
		SEWER MANHOLE
		STORM DRAIN MANHOLE



- ROADWAY PLANS
- DRAINAGE PLANS
- SIGNING & STRIPING PLANS
- TRAFFIC SIGNAL PLANS
- STREET LIGHTING PLANS
- ITS PLANS

KEY MAP

ABBREVIATIONS

ABC	AGGREGATE BASE COURSE	NPI	NO PAY ITEM
AP	ANGLE POINT	MAG	MARICOPA ASSOCIATION OF GOVERNMENTS
ARV	AIR RELEASE VALVE	MCDOT	MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION
AVE	AVENUE	M	MONUMENT LINE
BCF	BRASS CAP FLUSH	OHE	OVERHEAD ELECTRIC
BCHH	BRASS CAP HAND HOLE	P	PAVEMENT ELEVATION
B/C	BACK OF CURB	PC	POINT OF CURVATURE
BP	BEGINNING POINT	PB	PULLBOX
BVC	BEGIN VERTICAL CURVE	PE G	POLYETHYLENE GAS
C	CUT	PI	POINT OF INTERSECTION
C&G	CURB AND GUTTER	POB	POINT OF BEGINNING
CL OR C	CENTERLINE	POE	POINT OF ENDING
COB	CITY OF BUCKEYE	PROP	PROPERTY
COMM	COMMUNICATIONS	PSS	PAVEMENT STRUCTURAL SECTION
CST	CONSTRUCTION	PT	POINT OF TANGENCY
CT	COURT	PUE	PUBLIC UTILITY EASEMENT
CTLNK	CENTURYLINK	PVI	POINT OF VERTICAL INTERSECTION
CV	CONTROL VALVE	PVMT	PAVEMENT
D	DEGREE OF CURVATURE	QTY	QUANTITY
DE	DRAINAGE EASEMENT	R	RADIUS
DR	DRIVE	RD	ROAD
E	EASTING	RE	ROADWAY EASMENT
EL	ELEVATION	RT	RIGHT
EOP	EDGE OF PAVEMENT	RW	RECLAIMED WATER
EP	ENDING POINT	ROW	RIGHT-OF-WAY
ELEC	ELECTRIC	S	SEWER
EQ	EQUIPMENT	SEC	SECTION
ESMT	EASEMENT	SRP	SALT RIVER PROJECT
EVC	END VERTICAL CURVE	STA	STATION
EX	EXISTING	STR	STRUCTURAL
F	FILL	SWCT	SAWCUT
F/C	FACE OF CURB	SWLK	SIDEWALK
FND	FOUND	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
FO	FIBER OPTIC	T	TANGENT
FRB	FOUND REBAR	TC	TOP OF CURB/TOP OF CURB ELEVATION
G	GUTTER ELEVATION	TCE	TEMPORARY CONSTRUCTION EASEMENT
GB	GRADE BREAK	TP	TELEPHONE PEDESTAL
H	HEIGHT	T/S	TRAFFIC SIGNAL
HP	HIGH POINT	TS	TRAFFIC SIGNAL
IRR	IRRIGATION	TV	CABLE TV
LP	LOW POINT	UGE	UNDERGROUND ELECTRIC
L	LENGTH	VC	VERTICAL CURVE
LSCP	LANDSCAPE	W	WATER
LT	LEFT		
N	NORTHING		
NO	NUMBER		
NOI	NOTICE OF INTENT		
NOT	NOTICE OF TERMINATION		

CITY OF BUCKEYE NOTES

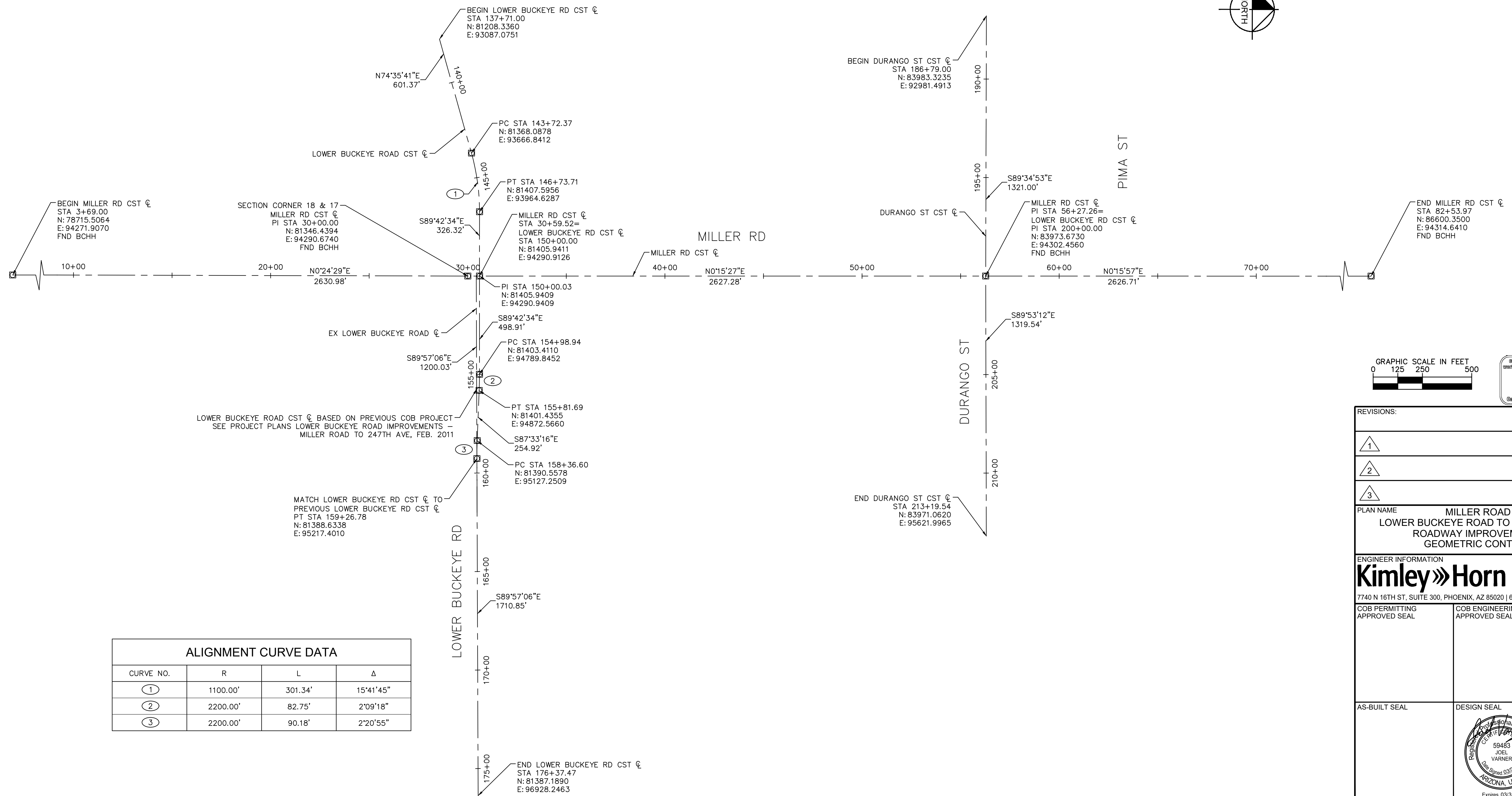
- CITY OF BUCKEYE GENERAL CONSTRUCTION AND UTILITY NOTES PER COB DTL 12100-1, 12100-2, AND 12100-3.
- CITY OF BUCKEYE WATER NOTES PER COB DTL 31100-1 & 31100-2.
- CITY OF BUCKEYE SEWER NOTES PER COB DTL 41100-1 & 41100-2.
- CITY OF BUCKEYE PAVING NOTES PER COB DTL 63100.
- CITY OF BUCKEYE TRAFFIC SIGNAL GENERAL NOTES PER COB ENGINEERING DESIGN STANDARDS CHAPTER 6, SECTION 4, APPENDIX 4
- CITY OF BUCKEYE SIGNING AND STRIPING NOTES PER COB DTL 65100-1 AND 65100-2.
- RECENT NOTES CAN BE ACCESSED ON THE CITY'S WEBSITE AT WWW.BUCKEYE.AZ.GOV/BUSINESS/ENGINEERING/DESIGN-STANDARDS-AND-DETAILS.
- REFERENCE STREET PLANNING AND DESIGN CRITERIA, SECTION 6-3, DEC 2012.

	NEW AC PAVEMENT PSS1
	NEW AC PAVEMENT PSS2
	NEW AC PAVEMENT PSS3
	NEW SIDEWALK
	NEW CONCRETE
	DETECTABLE CURB RAMP DOMES

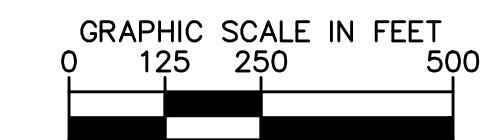
DECOMPOSED GRANITE, 1" AGG. SIZE, 2" THICK, SADDLEBACK BROWN COLOR SEE CITY OF BUCKEYE ARTERIAL GATEWAY GUIDE APPENDIX G HARDSCAPE TOOL: INERT MATERIAL NATURE: MOUNTAIN THEME

REVISIONS:	
1	
2	
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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS LEGEND, NOTES, & KEY MAP	
ENGINEER INFORMATION: Kimley-Horn	
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE: 3/28/2024	LATEST REVISION DATE:
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 3 OF 133
COB PLAN TRACKING #	COB PERMIT #
N/A	ENGMJRCIP-21-003

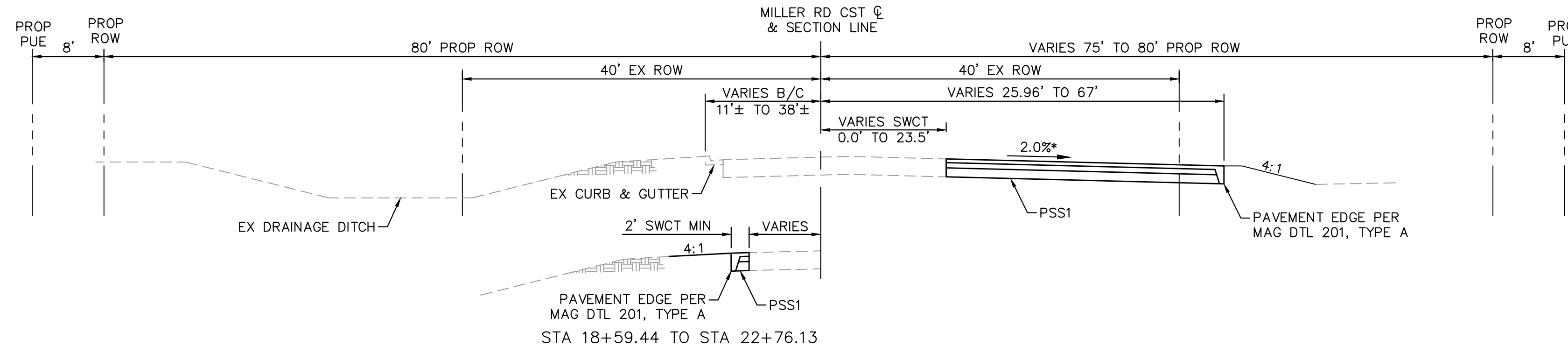
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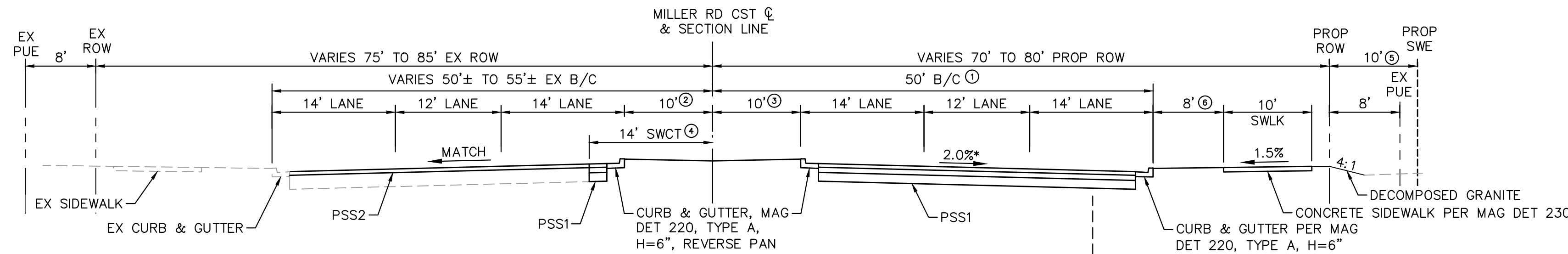
ALIGNMENT CURVE DATA			
CURVE NO.	R	L	Δ
①	1100.00'	301.34'	15°41'45"
②	2200.00'	82.75'	2°09'18"
③	2200.00'	90.18'	2°20'55"



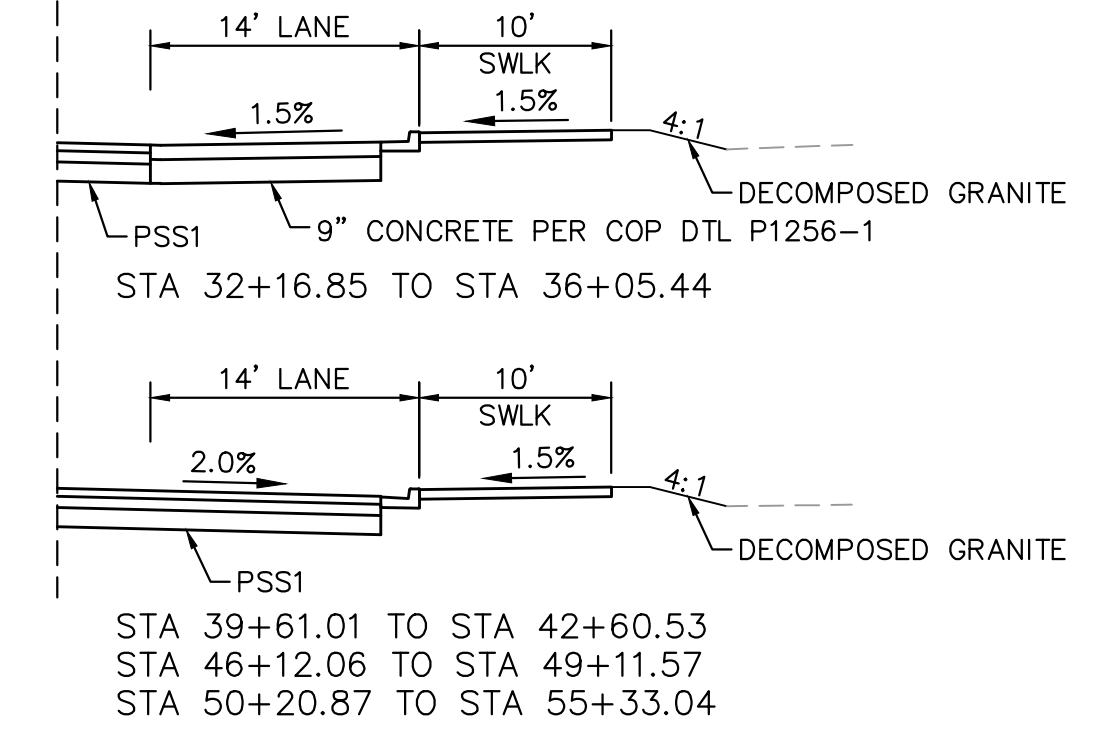
REVISIONS:	
①	
②	
③	
PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS GEOMETRIC CONTROL	
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 4 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING #	
COB PERMIT #	
ENG\MJRCIP-21-003	



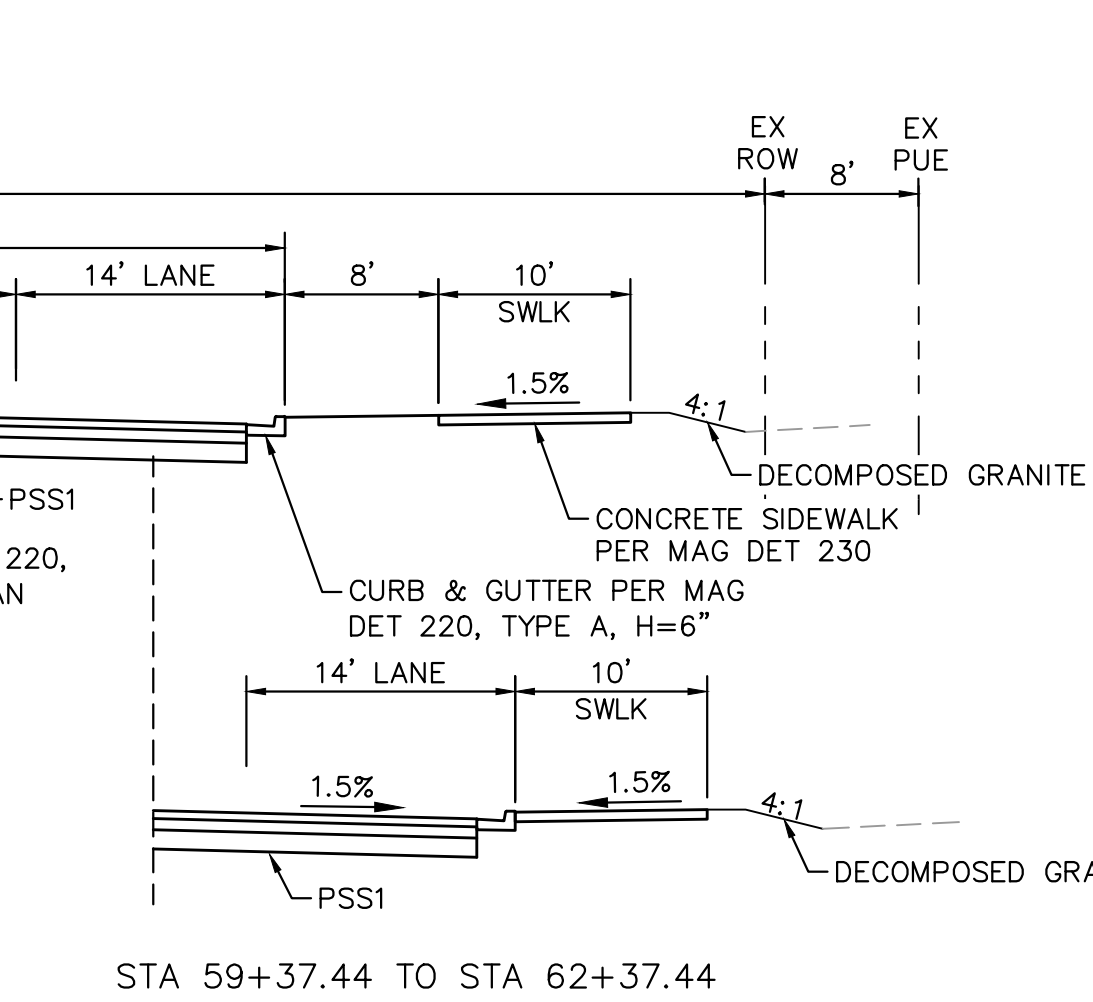
TYPICAL SECTION - MILLER ROAD (MAJOR ARTERIAL)
(LOOKING NORTH)
STA 18+59.44 TO STA 28+95.81



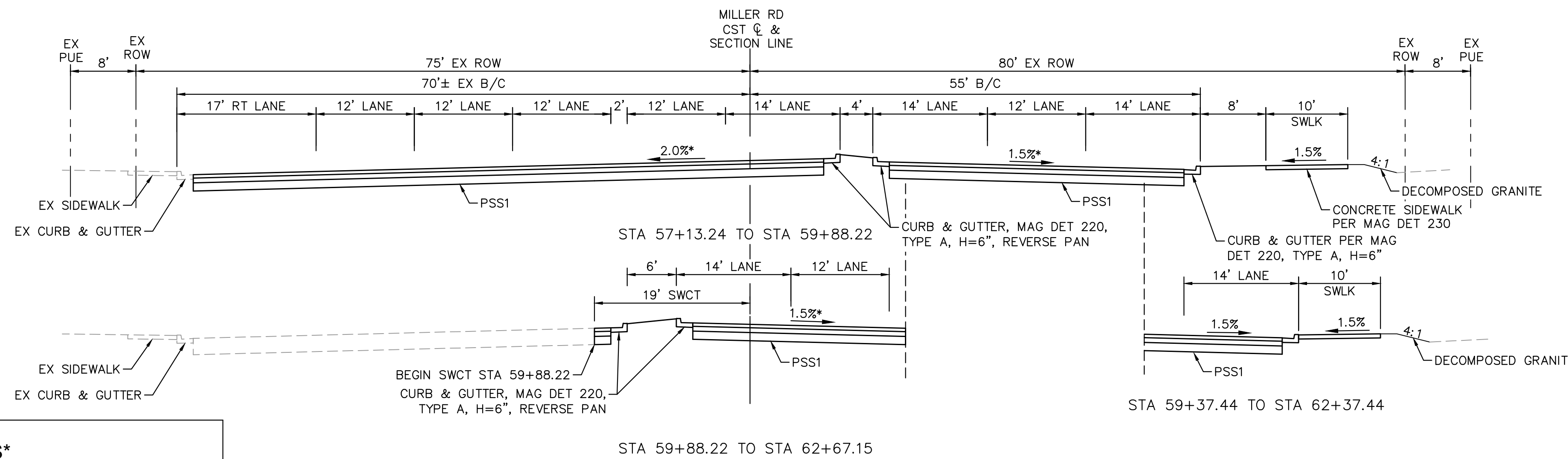
TYPICAL SECTION - MILLER ROAD (MAJOR ARTERIAL)
(LOOKING NORTH)
STA 28+95.81 TO STA 56+27.28



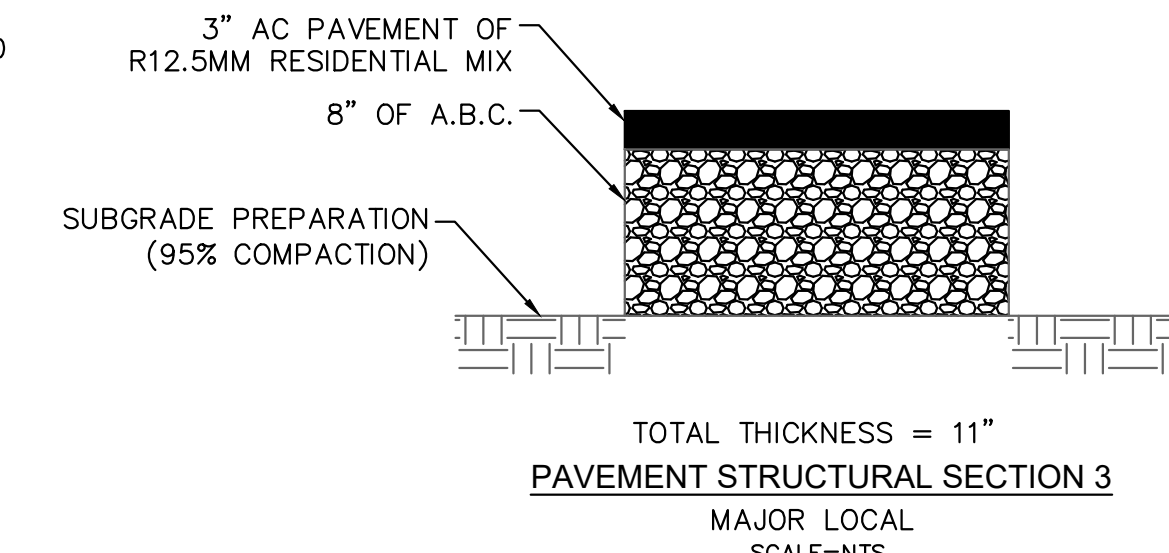
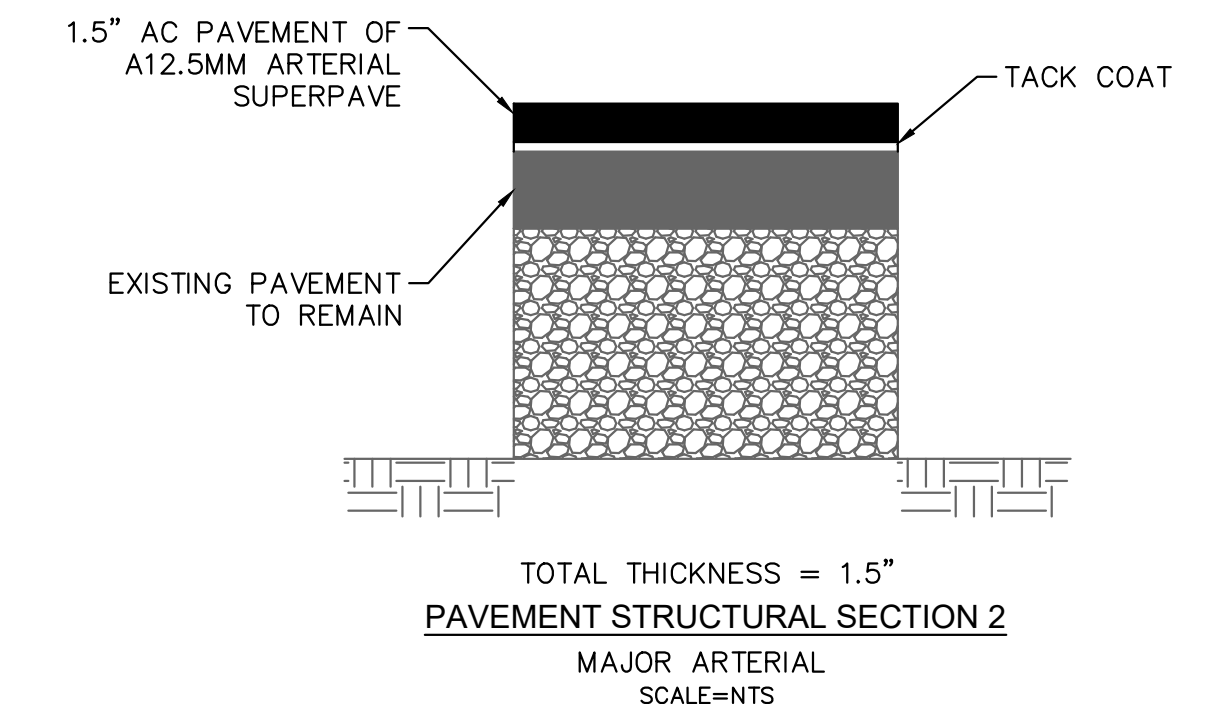
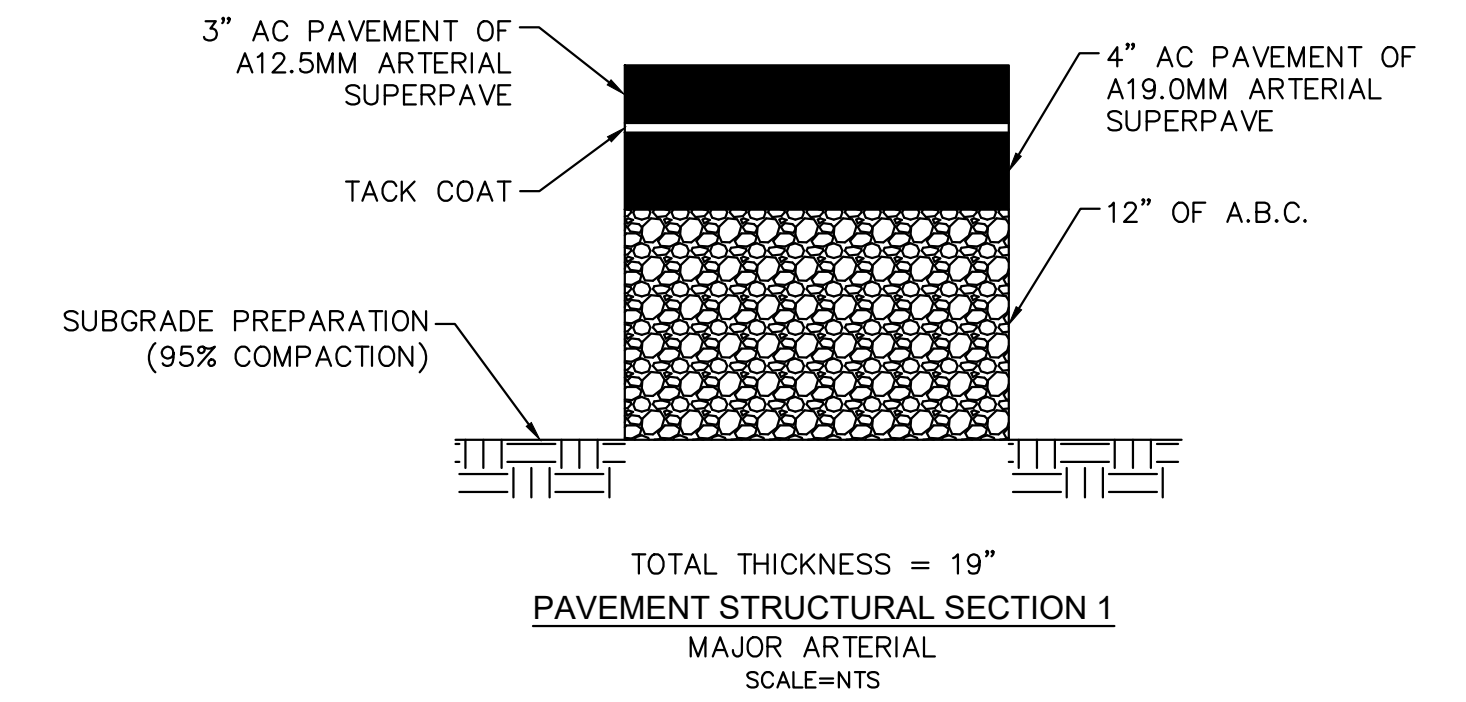
TYPICAL SECTION - MILLER ROAD (MAJOR ARTERIAL)
(LOOKING NORTH)
STA 32+16.85 TO STA 36+05.44



TYPICAL SECTION - MILLER ROAD (MAJOR ARTERIAL)
(LOOKING NORTH)
STA 39+61.01 TO STA 42+60.53
STA 46+12.06 TO STA 49+11.57
STA 50+20.87 TO STA 55+33.04



TYPICAL SECTION - MILLER ROAD (MAJOR ARTERIAL)
(LOOKING NORTH)
STA 57+13.24 TO STA 59+88.22
STA 59+88.22 TO STA 62+67.15



- ① STA 29+55.55 TO STA 36+01.45: VARIES 55' TO 50'
- ② STA 49+78.87 TO STA 52+28.59: VARIES 50' TO 55'
- ③ STA 31+71.59 TO STA 34+01.59: VARIES 11' RT TO 9' LT
- ④ STA 31+01.59 TO STA 36+51.59: VARIES 9' RT TO 10' LT
- ⑤ STA 37+13.82 TO STA 40+35.02: VARIES 8' RT TO 10' LT
- ⑥ STA 43+67.55 TO STA 46+88.75: VARIES 8' RT TO 10' LT
- ⑦ STA 49+16.27 TO STA 53+07.69: VARIES 10' TO 15'
- ⑧ STA 53+07.69 TO STA 55+44.76: 15'
- ⑨ STA 33+51.59 TO STA 36+51.59: VARIES 15' RT TO 8' LT
- ⑩ STA 39+38.12 TO STA 42+59.32: VARIES 10' RT TO 8' LT
- ⑪ STA 45+94.07 TO STA 49+15.27: VARIES 10' RT TO 8' LT
- ⑫ STA 49+78.87 TO STA 55+44.76: VARIES 10' RT TO 9' LT
- ⑬ STA 31+07.55 TO STA 36+51.59: VARIES 19' TO 14'
- ⑭ STA 49+16.27 TO STA 56+27.28: VARIES 14' TO 19'
- ⑮ STA 50+20.87 TO STA 55+33.04: 10' SIDEWALK EASEMENT
- ⑯ STA 43+60.35 TO STA 46+12.06: 6' SIDEWALK BUFFER

MILLER RD & LOWER BUCKEYE RD INTERSECTION LIMITS
STA 28+95.81 TO STA 31+83.09

MILLER RD & DURANGO ST INTERSECTION LIMITS
STA 55+33.04 TO STA 57+30.55

MILLER RD & PIMA ST INTERSECTION LIMITS
STA 62+37.44 TO STA 63+86.65

MILLER RD DESIGN DATA

CLASSIFICATION - MAJOR ARTERIAL
DESIGN SPEED - 55 MPH
POSTED SPEED - 45 MPH

CROSS SLOPE TRANSITIONS*

LEFT	RIGHT
STA 28+95.81 TO STA 29+93.41: 2.0% TO 1.0%	STA 23+00.00 TO STA 26+00.00: 2.0% TO -1.0%
STA 31+07.55 TO STA 31+71.59: 1.5% TO 2.0%	STA 27+50.00 TO STA 29+00.00: -1.0% TO 0.5%
STA 59+13.24 TO STA 60+72.38: 1.0% TO 1.5%	STA 29+55.55 TO STA 30+11.49: 0.5% TO 0.2%
	STA 31+07.55 TO STA 33+51.59: 0.2% TO 2.0%
	STA 53+78.89 TO STA 55+33.04: 2.0% TO 1.0%
	STA 60+66.30 TO STA 61+16.30: 1.5% TO 1.0%

REVISIONS:

- 1
- 2
- 3

PLAN NAME: MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
TYPICAL SECTION

ENGINEER INFORMATION
Kimley-Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL: [Signature]

COB ENGINEERING APPROVED SEAL: [Signature]

AS-BUILT SEAL: [Signature]

DESIGN SEAL: [Signature]

ORIGINAL PLAN DATE: 3/28/2024

LATEST REVISION DATE: [Signature]

PROJECT NUMBER: CIP #105260

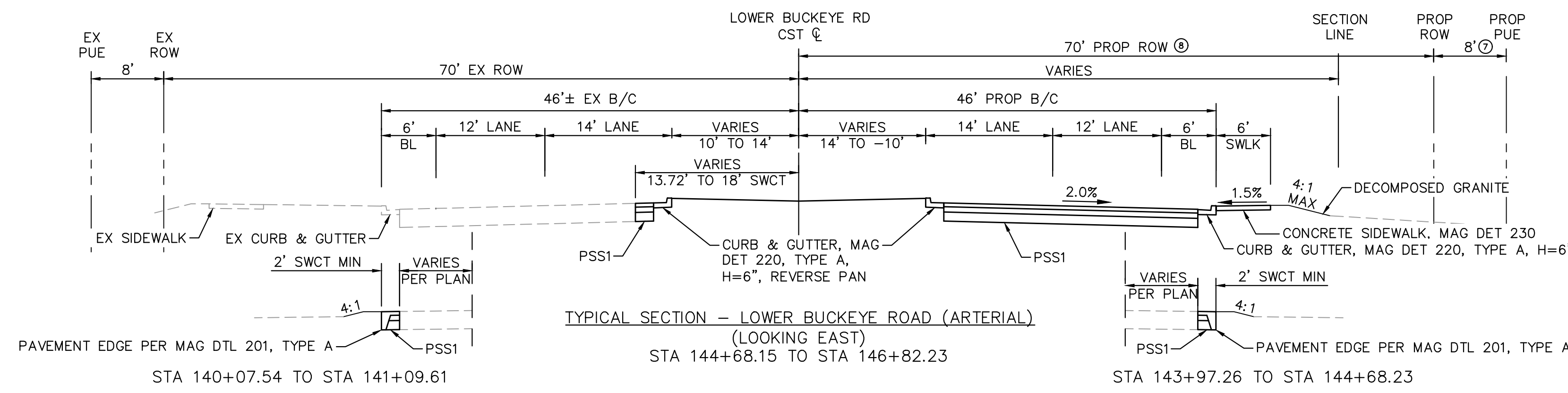
SHEET NUMBER: 5 OF 133

FINAL

ENGINEERING PERMIT # 59483
JOEL VARNER
Expires 03/31/27

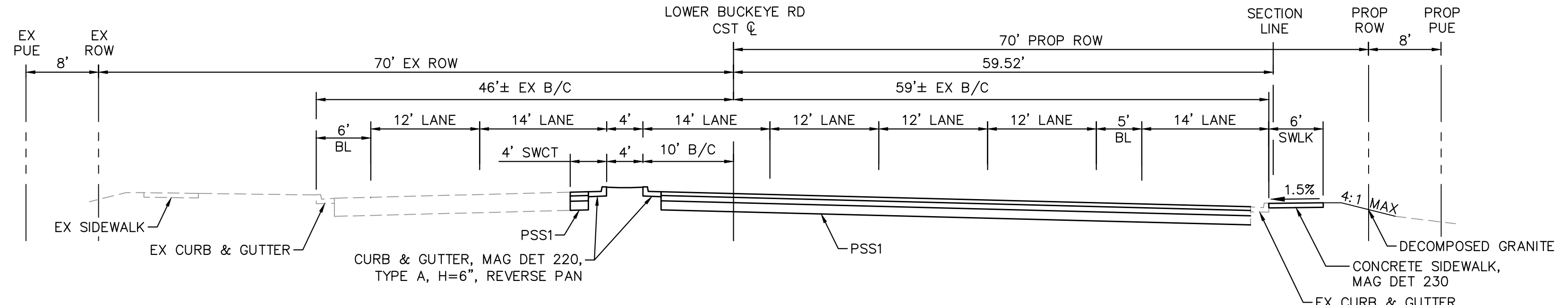
ARIZONA, U.S.A.

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\12-Sheets\Roadway\GN01.dwg | 3/28/2024 | BOTS, LIAM

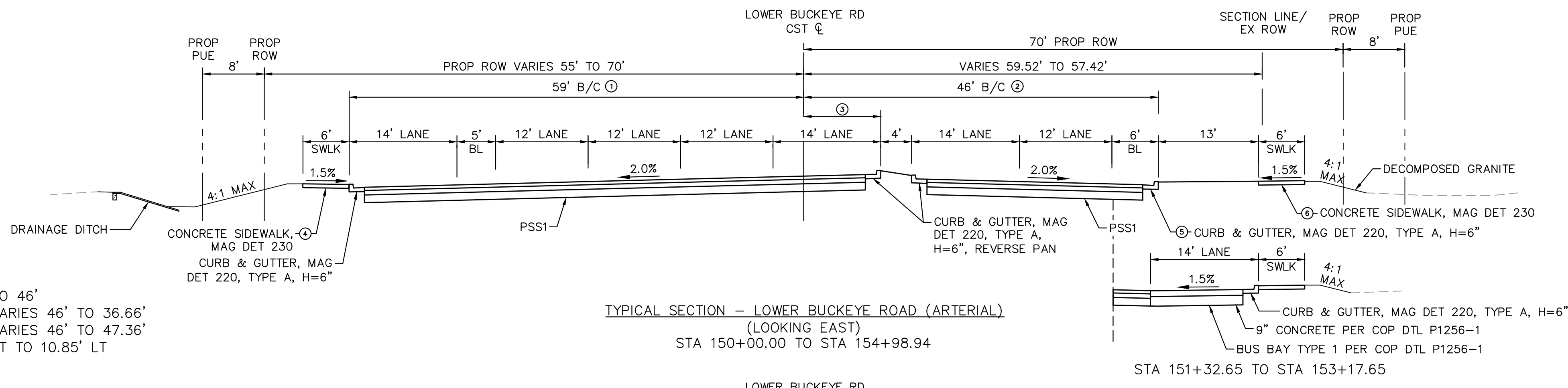


TYPICAL SECTION - LOWER BUCKEYE ROAD (ARTERIAL)
(LOOKING EAST)
STA 144+68.15 TO STA 146+82.23

STA 143+97.26 TO STA 144+68.23

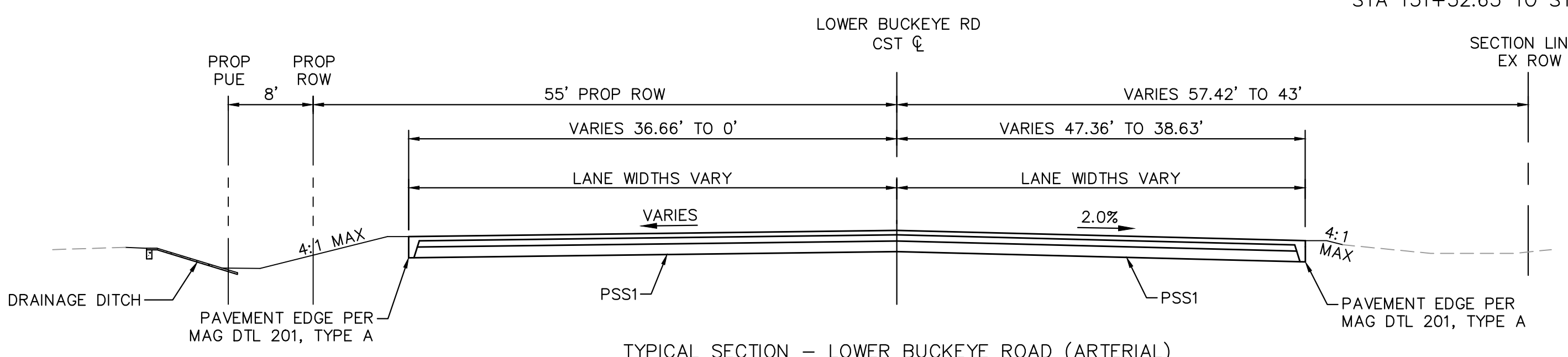


TYPICAL SECTION - LOWER BUCKEYE ROAD (ARTERIAL)
(LOOKING EAST)
STA 146+82.23 TO STA 150+00.00

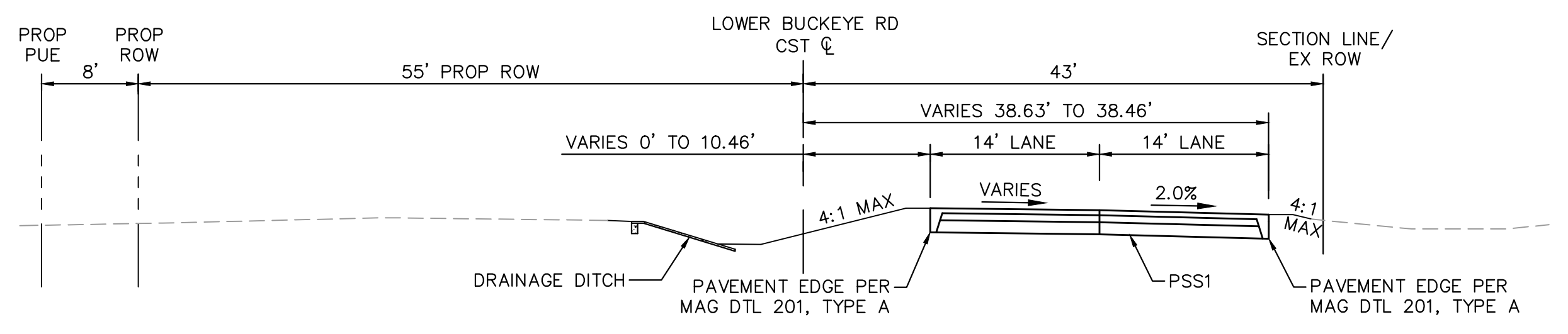


TYPICAL SECTION - LOWER BUCKEYE ROAD (ARTERIAL)
(LOOKING EAST)
STA 150+00.00 TO STA 154+98.94

STA 151+32.65 TO STA 153+17.65



TYPICAL SECTION - LOWER BUCKEYE ROAD (ARTERIAL)
(LOOKING EAST)
STA 154+98.94 TO STA 159+99.34



TYPICAL SECTION - LOWER BUCKEYE ROAD (ARTERIAL)
(LOOKING EAST)
STA 159+99.34 TO STA 161+95.77

- Ⓞ STA 153+01.90 TO STA 154+01.90: VARIES 59' TO 46'
- BEGIN EOP STA 154+01.90 TO STA 154+98.94: VARIES 46' TO 36.66'
- Ⓞ STA 153+17.65 TO STA 154+98.94: VARIES 46' TO 47.36'
- Ⓞ STA 151+12.03 TO STA 154+98.9: VARIES 10' RT TO 10.85' LT
- Ⓞ STA 150+54.93 TO STA 153+01.90
- Ⓞ STA 150+89.83 TO STA 153+17.65
- Ⓞ STA 150+89.83 TO STA 153+07.65
- Ⓞ STA 146+42.67 TO STA 146+82.23
- Ⓞ STA 146+42.91 TO STA 146+82.23

LOWER BUCKEYE RD & MILLER RD INTERSECTION LIMITS
STA 148+30.45 TO STA 151+69.62

LOWER BUCKEYE RD DESIGN DATA

CLASSIFICATION - ARTERIAL
DESIGN SPEED - 55 MPH
POSTED SPEED - 45 MPH

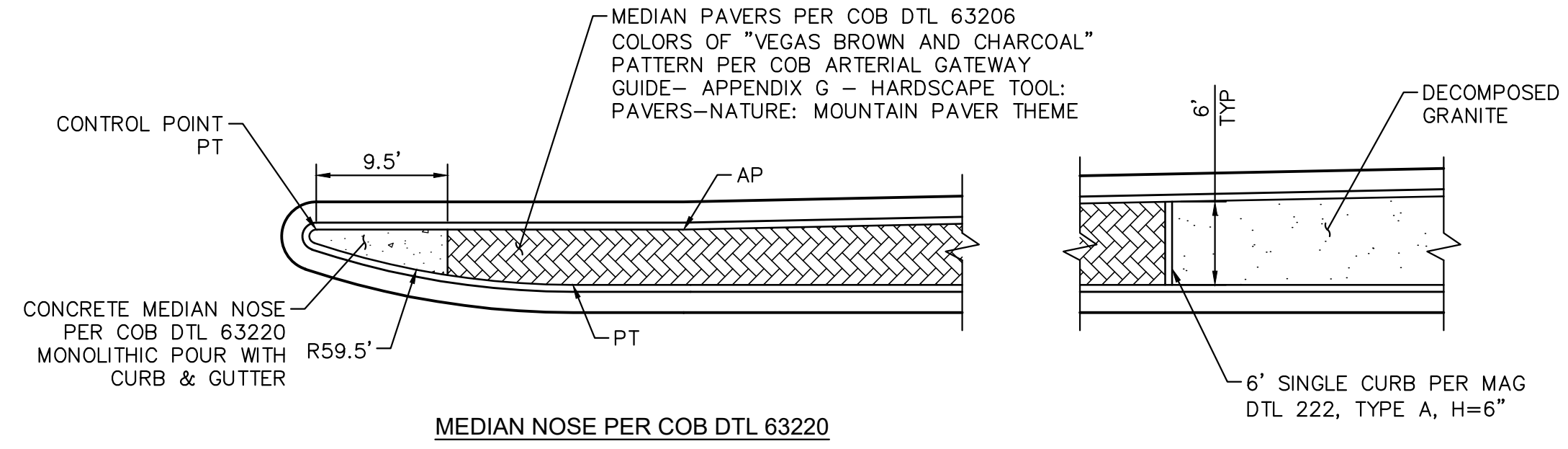
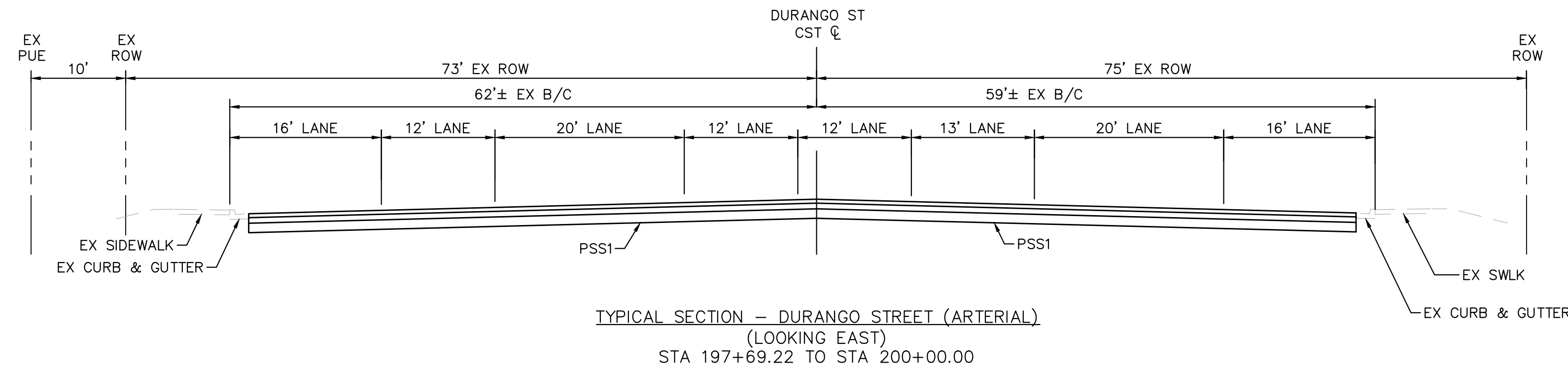
CROSS SLOPE TRANSITIONS	
LEFT	RIGHT
STA 151+12.03 TO STA 153+01.90: -0.5% TO 1.0%	STA 150+56.83 TO STA 151+32.45: 1.0% TO 1.5%
STA 153+01.90 TO STA 154+01.90: 1.0% TO 2.0%	STA 151+32.45 TO STA 153+20.15: 1.5% TO 2.0%
STA 156+99.14 TO STA 159+99.34: 2.0% TO -1.0%	



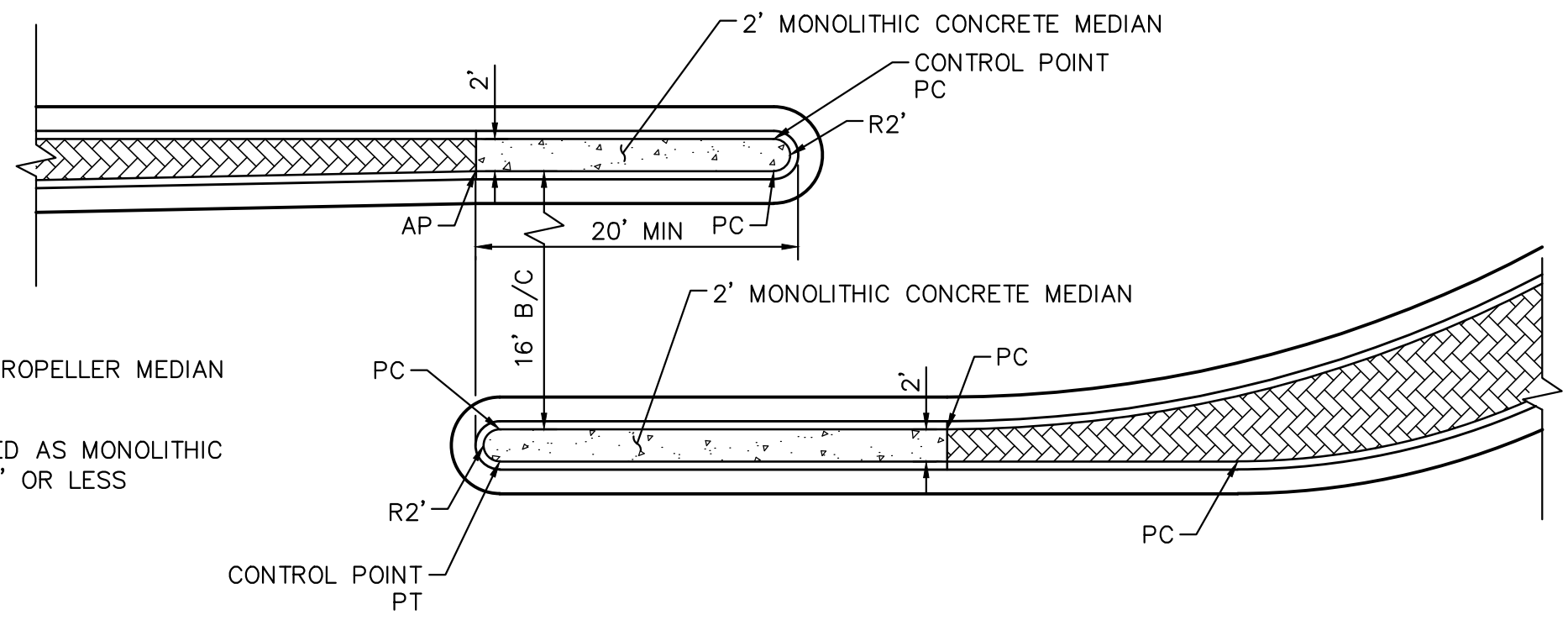
REVISIONS:	
1	
2	
3	
PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS TYPICAL SECTION	
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE: 3/28/2024	LATEST REVISION DATE:
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 6 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING #	
COB PERMIT #	
ENG/MJRC/P-21-1003	

DURANGO ST DESIGN DATA

CLASSIFICATION - ARTERIAL
 DESIGN SPEED - 55 MPH
 POSTED SPEED - 40 MPH



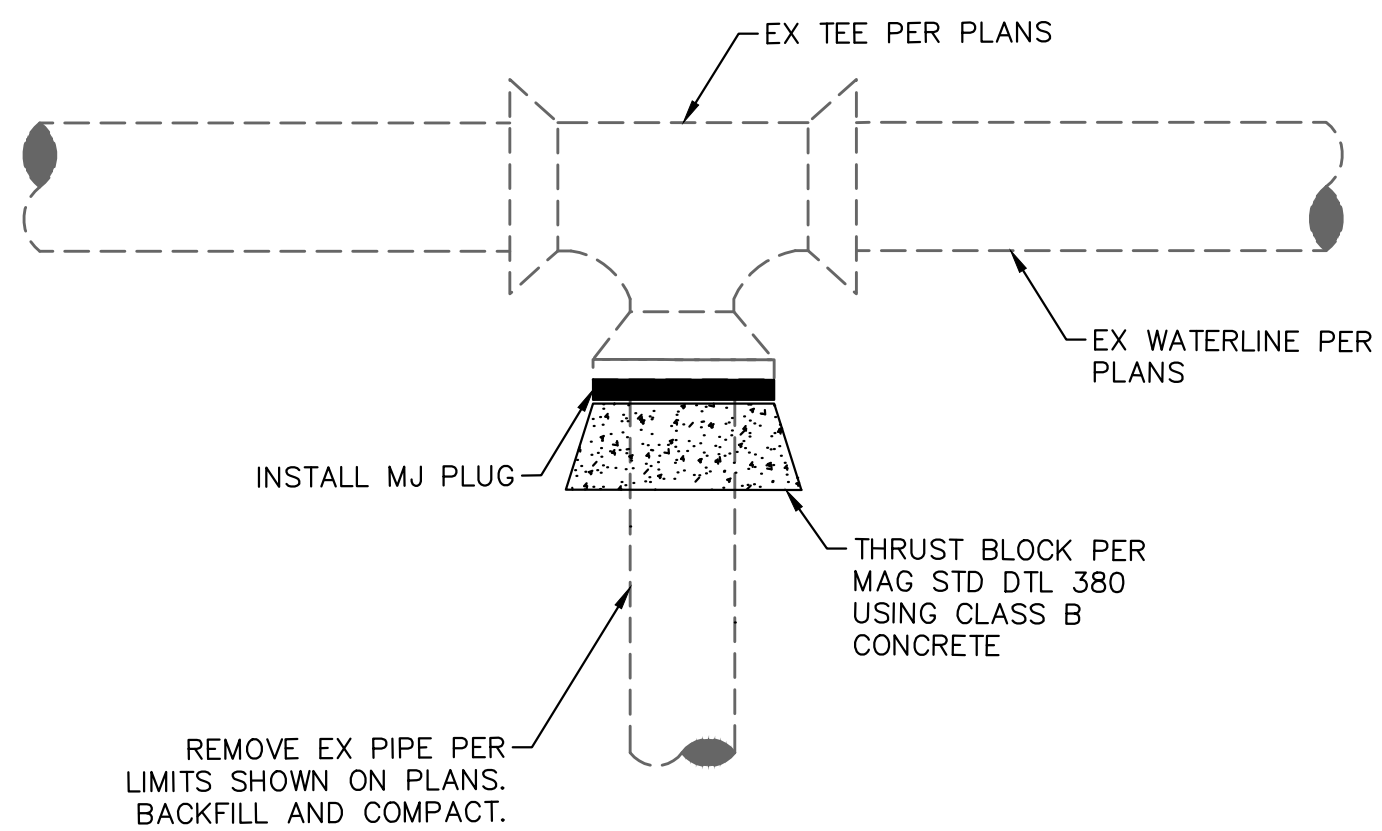
MEDIAN NOSE PER COB DTL 63220



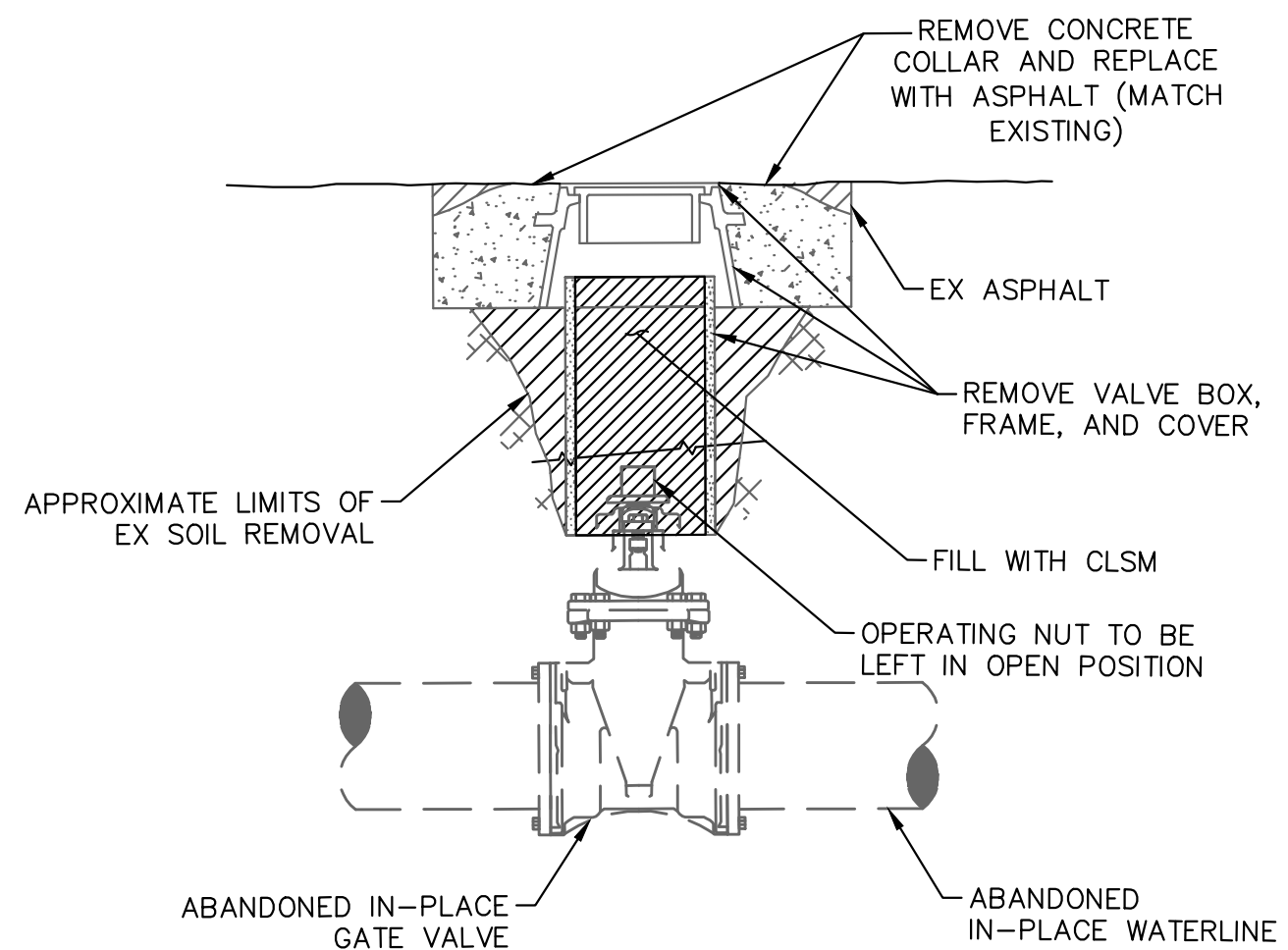
PROPELLER LEFT-TURN MEDIAN

MEDIAN NOSE DETAILS

NOTE: SEE SHEET 44 FOR PROPELLER MEDIAN GEOMETRY STAKING
 NOTE: MEDIAN TO BE POURED AS MONOLITHIC CONCRETE WHEN WIDTH IS 2' OR LESS

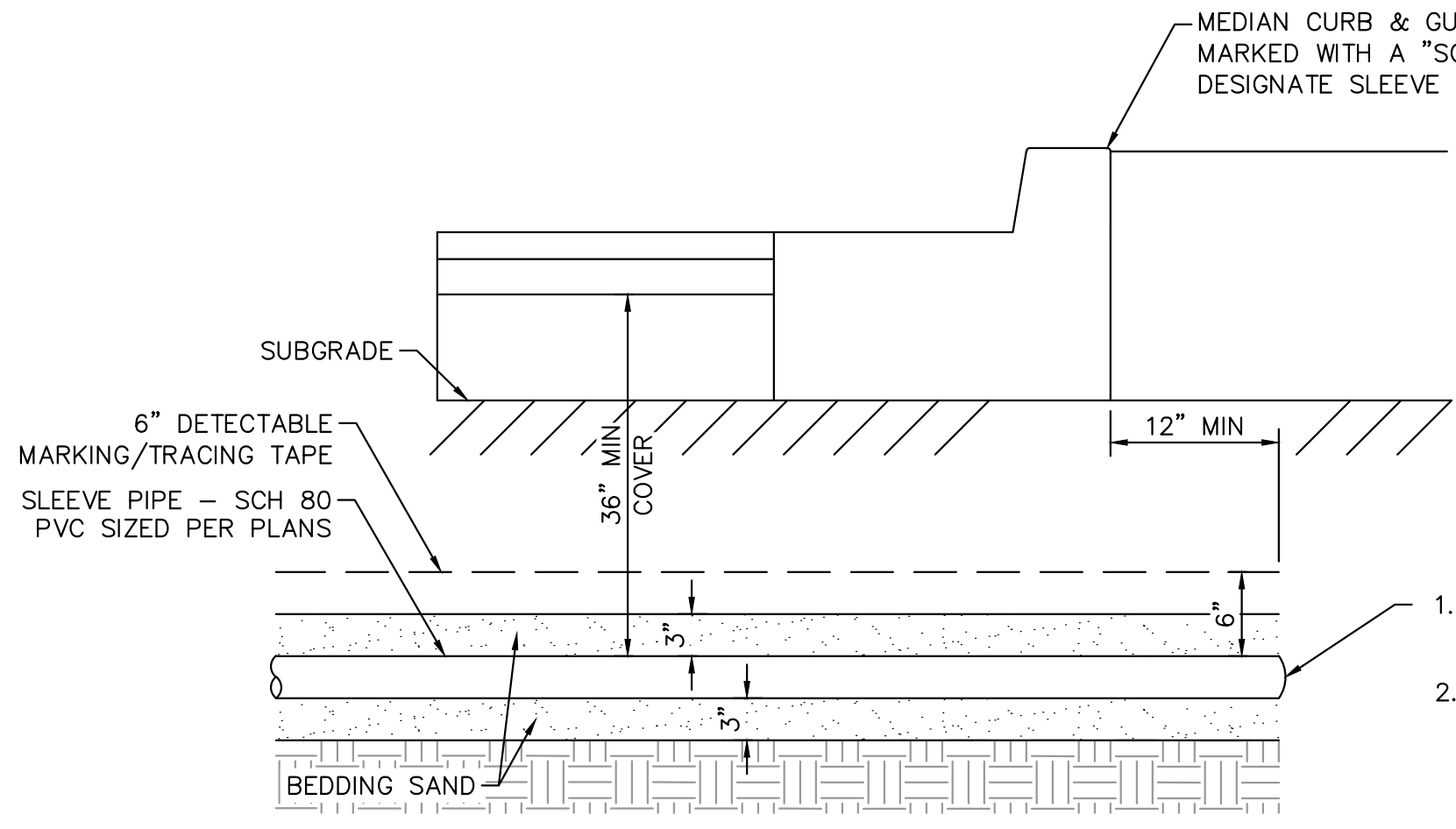


CUT AND CAP DETAIL
 NOT TO SCALE



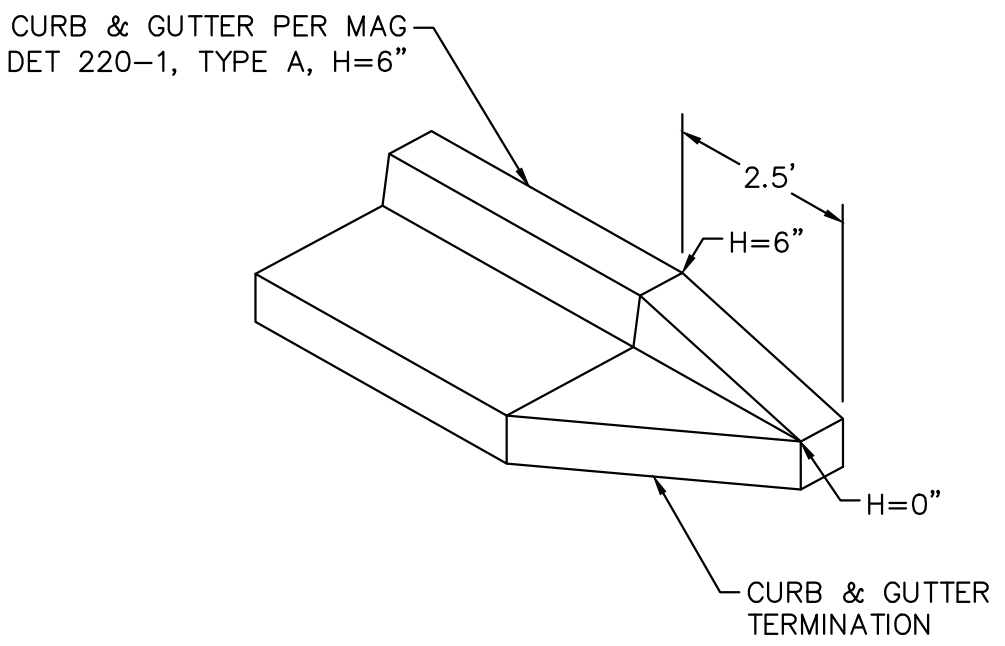
VALVE ABANDONMENT DETAIL
 NOT TO SCALE

- CUT AND CAP DETAIL AND VALVE ABANDONMENT DETAIL NOTES**
- VALVES WILL NEED TO BE PHYSICALLY DISCONNECTED FROM EXISTING WATER MAINS THAT WILL REMAIN IN SERVICE. VALVE ABANDONMENTS THAT ARE CURRENTLY CONNECTED SHALL BE PHYSICALLY DISCONNECTED BY THE CONTRACTOR PER THE CUT AND CAP DETAIL. IF THERE IS INSUFFICIENT SPACE BETWEEN EXISTING TEES AND VALVES TO CUT AND CAP THE TEE, THE CONTRACTOR SHALL REMOVE THE ENTIRE VALVE, VALVE BOX, FRAME, AND COVER.
 - CONTRACTOR SHALL REPLACE REMOVED AND/OR DISTURBED ASPHALT FOR ALL CAPPING AND VALVE ABANDONMENT AS NEEDED TO PERFORM WORK. THERE IS NO SEPARATE MEASUREMENT OR PAYMENT FOR PAVEMENT REMOVAL AND REPLACEMENT FOR CUT AND CAPPING AND VALVE ABANDONMENT.

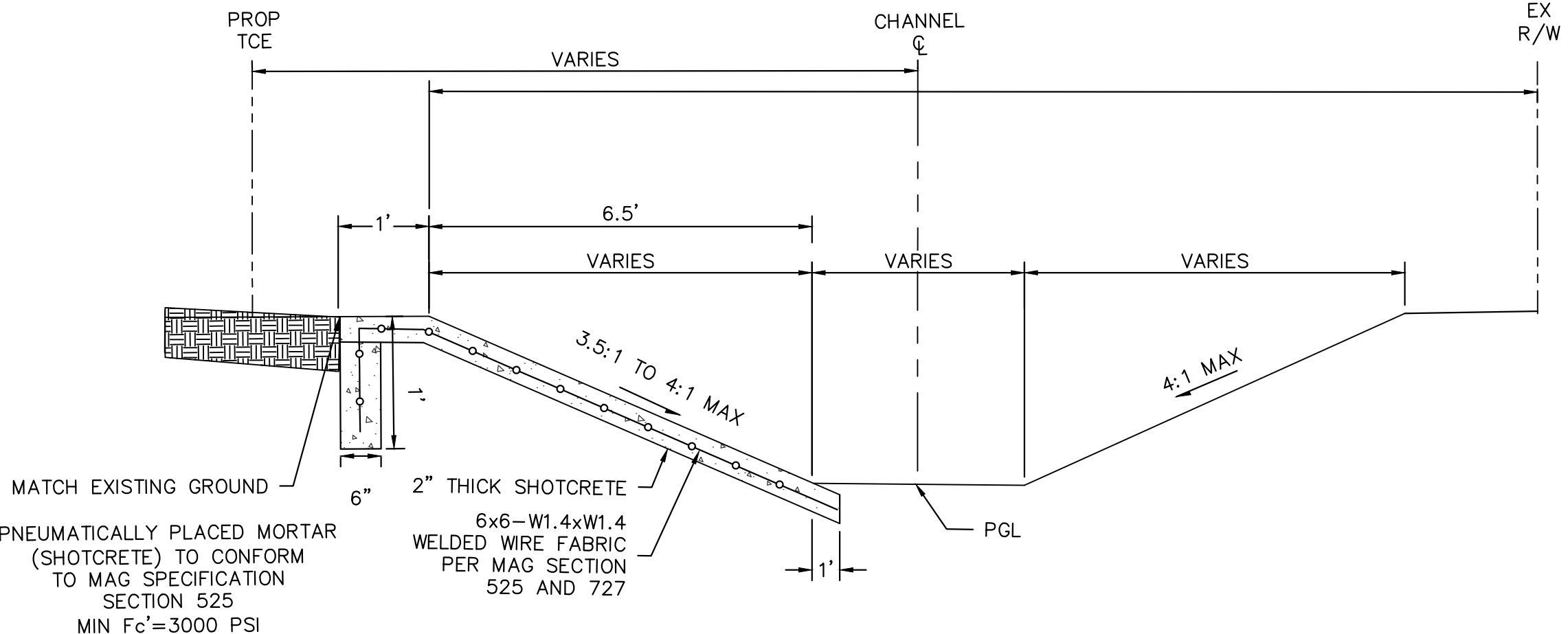


IRRIGATION SLEEVING DETAIL

- SEAL SLEEVE ENDS WITH TAPE AND STAKE END LOCATIONS
- EXTEND SLEEVE ENDS 12" MIN BEYOND ALL HARDSCAPE EDGES



CURB & GUTTER TERMINATION DETAIL



CHANNEL AND SHOTCRETE DETAIL

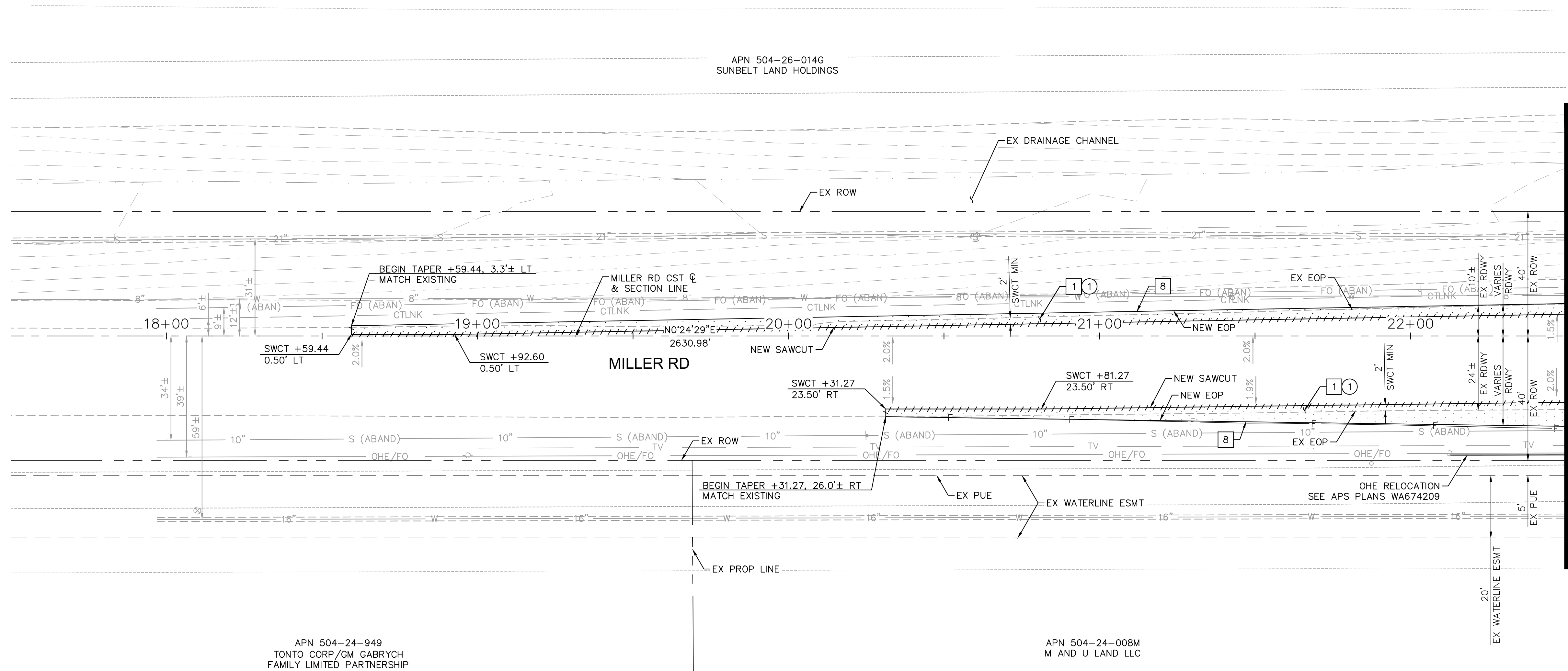


REVISIONS:	
1	
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3	
PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS MISCELLANEOUS DETAILS	
ENGINEER INFORMATION: Kimley-Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE: 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 7 OF 133
COB PLAN TRACKING #	COB PERMIT #

FINAL

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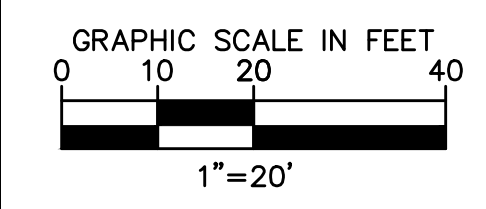


MATCHLINE STA. 22+50 SEE SHEET 10

CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 1	SY	264
8	ASPHALT PAVEMENT EDGE PER MAG DTL 201, TYPE A	-	NPI

REMOVAL AND RELOCATION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	REMOVE AC PAVEMENT	SY	150

NOTES:
 1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 2. SEE SHEET 9 FOR PAVING PROFILE.
 3. SEE SHEET 64 & 70 FOR SIGNING AND PAVEMENT MARKING PLANS.



REVISIONS:	
1	
2	
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PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 PAVING PLAN**

ENGINEER INFORMATION
Kimley-Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
------------------------------	-------------------------------

AS-BUILT SEAL	DESIGN SEAL
---------------	-------------

ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 8 OF 133

SUBMITTAL: **FINAL**

COB PLAN TRACKING #
N/A
COB PERMIT #
ENGMJRPCP-21-003

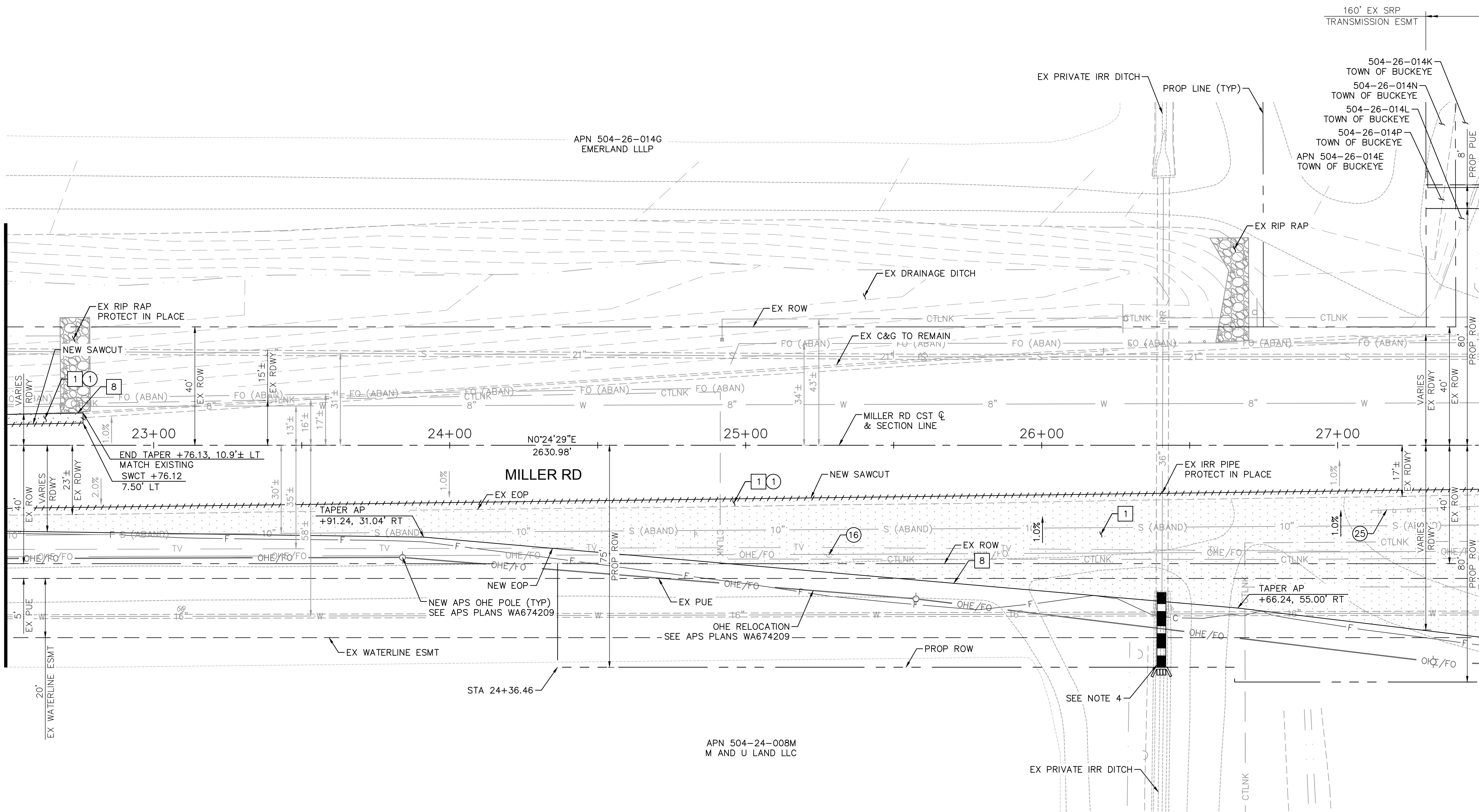
APN 504-24-949
 TONTO CORP/GM GABRYCH
 FAMILY LIMITED PARTNERSHIP

APN 504-24-008M
 M AND U LAND LLC

APN 504-26-014G
 SUNBELT LAND HOLDINGS

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\12-Sheets\Roadway\12.dwg | 3/28/2024 | RODRIGUEZ, DAVID

MATCHLINE STA. 22+50 SEE SHEET 8



MATCHLINE STA. 27+50 SEE SHEET 12

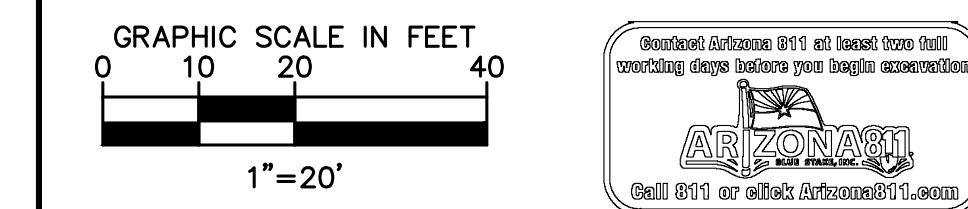
CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY
1	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 1	SY	1351
8	ASPHALT PAVEMENT EDGE PER MAG DTL 201, TYPE A	-	NPI

REMOVAL AND RELOCATION NOTES

NO	DESCRIPTION	UNIT	QTY
1	REMOVE AC PAVEMENT	SY	141
16	RELOCATE OHE POWER POLE (BY APS)	-	-
25	REMOVE GUARDRAIL	LF	38

- NOTES:
- ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 - SEE SHEET 11 FOR PAVING PROFILE.
 - SEE SHEETS 64 & 70 FOR SIGNING AND PAVEMENT MARKING PLANS.
 - SEE SHEET 133 FOR PRIVATE IRRIGATION PLAN. CONTRACTOR SHALL VERIFY THE EXISTING PRIVATE IRRIGATION PIPE SIZE.



REVISIONS:

- 1
- 2
- 3

PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PAVING PLAN

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL
COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
DESIGN SEAL

ORIGINAL PLAN DATE
3/28/2024
LATEST REVISION DATE
PROJECT NUMBER
CIP #105260
SHEET NUMBER
10 OF 133

FINAL

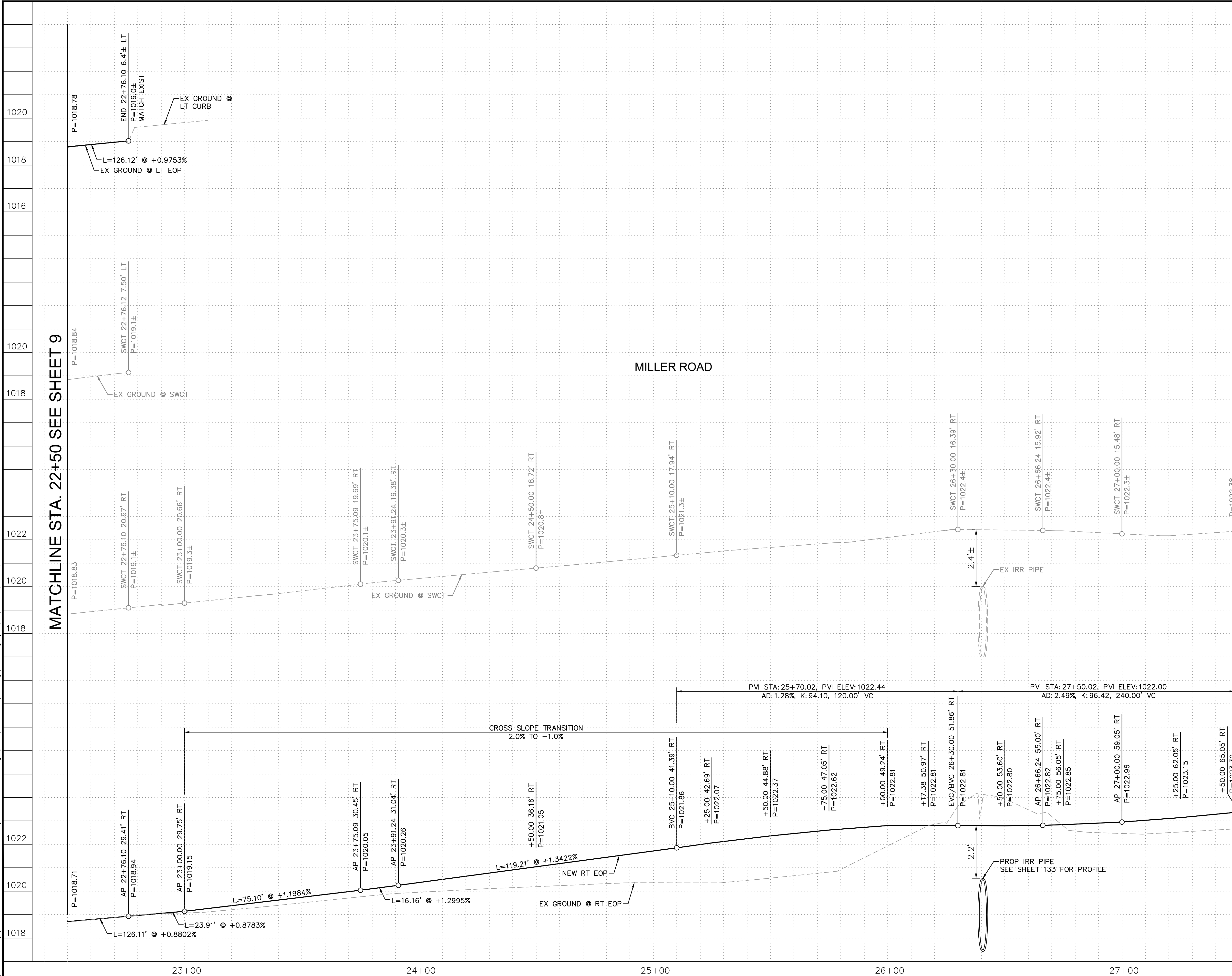
COB PLAN TRACKING #
N/A
COB PERMIT #
ENGMJRCIP-21-003

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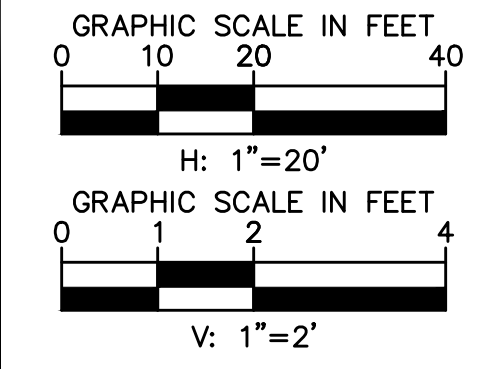
MATCHLINE STA. 22+50 SEE SHEET 9

MATCHLINE STA. 27+50 SEE SHEET 13

MILLER ROAD



NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST @ AND TAKEN TO THE BACK OF CURB OR THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.



NO.	REVISIONS
1	
2	
3	

PLAN NAME: MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PAVING PROFILE

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

1026 COB PERMITTING APPROVED SEAL
1024 COB ENGINEERING APPROVED SEAL

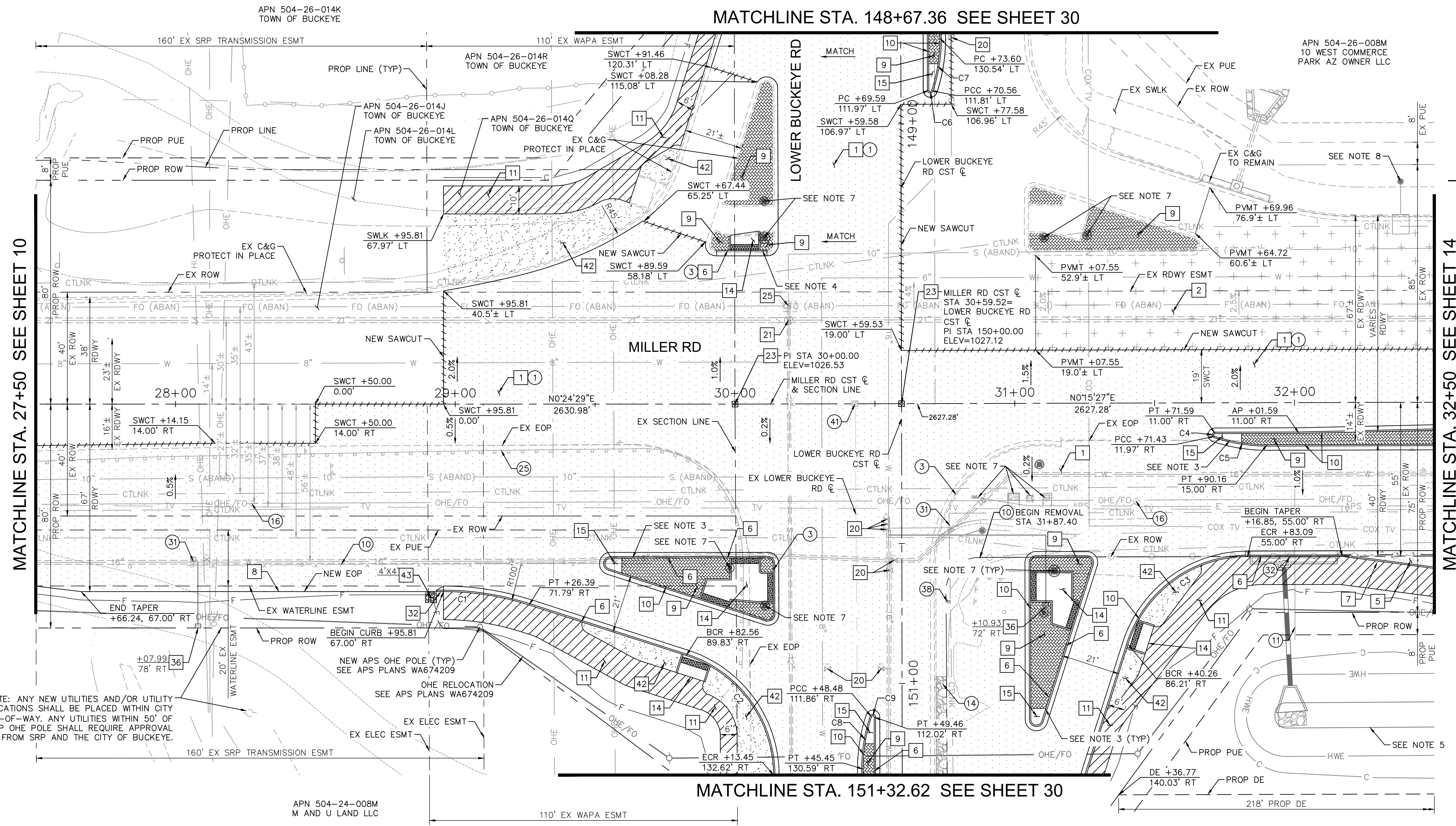
1022 AS-BUILT SEAL
DESIGN SEAL

ORIGINAL PLAN DATE: 3/28/2024
PROJECT NUMBER: CIP #105260
LATEST REVISION DATE:
SHEET NUMBER: 11 OF 133

SUBMITTAL: FINAL

COB PLAN TRACKING #
COB PERMIT #
ENG\MJRCIP-21-003

MATCHLINE STA. 148+67.36 SEE SHEET 30

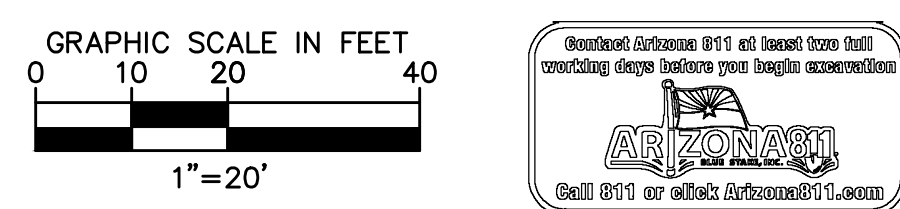


MATCHLINE STA. 151+32.62 SEE SHEET 30

MATCHLINE STA. 27+50 SEE SHEET 10

MATCHLINE STA. 32+50 SEE SHEET 14

CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 1	SY	5973
2	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 2	SY	678
5	PCCP, 9" THICK, MODIFIED WITH FIBER MESH, CLASS A, MAG SECTION 725	SY	14
6	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6"	LF	382
7	CONCRETE SINGLE CURB PER MAG DTL 222, TYPE 'A', H=6"	LF	34
8	ASPHALT PAVEMENT EDGE PER MAG DET 201, TYPE A	-	NPI
9	MEDIAN PAVERS PER COB DTL 63206 SEE NOTE 10	SF	1341
10	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6", REVERSE PAN	LF	473
11	CONCRETE SIDEWALK PER MAG DTL 230	SF	3818
14	DIRECTIONAL CURB RAMP PER DETAIL SHEET 45	EA	8
15	MEDIAN NOSE TRANSITION PER MAG DTL 223, SEE DETAIL SHEET 7	SF	117
20	ADJUST VALVE BOX & COVER PER MAG DET 391-2	EA	9
21	ADJUST MANHOLE FRAME & COVER PER MAG DTL 422-1 & 422-2	EA	1
23	NEW SURVEY MONUMENT, MAG DTL 120, TYPE A	EA	2
25	ADJUST METER BOX PER MAG DTL 319	EA	1
32	CURB & GUTTER TERMINATION, SEE DETAIL SHEET 7	EA	1
36	2" AIR RELEASE VALVE PER COB DTL 31340-1 & 31340-2	EA	1
37	WATER METER PER COB DTL 31330	EA	1
42	DECOMPOSED GRANITE, 1" AGG. SIZE, 2" THICK, SADDLEBACK BROWN COLOR	SY	248
43	GROUTED RIPRAP D50=6", T=12"	CY	1



REVISIONS:	
1	
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PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PAVING PLAN

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL
COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
DESIGN SEAL

ORIGINAL PLAN DATE
3/28/2024
LATEST REVISION DATE

PROJECT NUMBER
CIP #105260
SHEET NUMBER
12 OF 133

FINAL
SUBMITTAL
COB PLAN TRACKING #
N/A
ENG PERMIT #
ENGJURCP-21-1003

CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C1	100.00'	31.08'	17°48'26"	15.67'
C2	45.00'	56.61'	72°04'31"	32.74'
C3	45.00'	56.67'	72°09'05"	32.79'
C4	0.50'	1.41'	161°39'01"	3.10'
C5	59.50'	19.06'	18°20'59"	9.61'
C6	0.50'	1.41'	161°39'01"	3.10'
C7	59.50'	19.06'	18°20'59"	9.61'
C8	59.50'	19.06'	18°20'59"	9.61'
C9	0.50'	1.41'	161°39'01"	3.10'

CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C10	2.00'	5.66'	162°11'34"	12.77'
C11	2.00'	3.14'	90°01'59"	2.00'
C12	2.00'	3.77'	107°55'35"	2.75'
C13	2.00'	3.14'	89°58'01"	2.00'
C14	2.00'	3.76'	107°50'55"	2.75'
C15	2.00'	5.66'	162°11'03"	12.76'

- NOTES:
- ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST @ AND TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 - SEE SHEET 13 FOR PAVING PROFILE.
 - SEE SHEET 38 FOR INTERSECTION STAKING.
 - SEE SHEET 45 FOR SLIP RIGHT GEOMETRY AND SIDEWALK RAMP DETAILS.
 - SEE SHEET 49 FOR DRAINAGE PLANS.
 - SEE SHEETS 64 & 70 FOR SIGNING AND PAVEMENT MARKING PLANS.
 - SEE SHEET 84 FOR TRAFFIC SIGNAL PLANS.
 - SEE SHEET 96 FOR STREET LIGHTING PLANS.
 - SEE SHEET 124 FOR ITS PLANS.
 - MEDIAN PAVERS SHALL BE COLORS OF "VEGAS BROWN AND CHARCOAL." PATTERN PER COB ARTERIAL GATEWAY GUIDE - APPENDIX G - HARDSCAPE TOOL: PAVERS - NATURE: MOUNTAIN PAVEMENT THEME

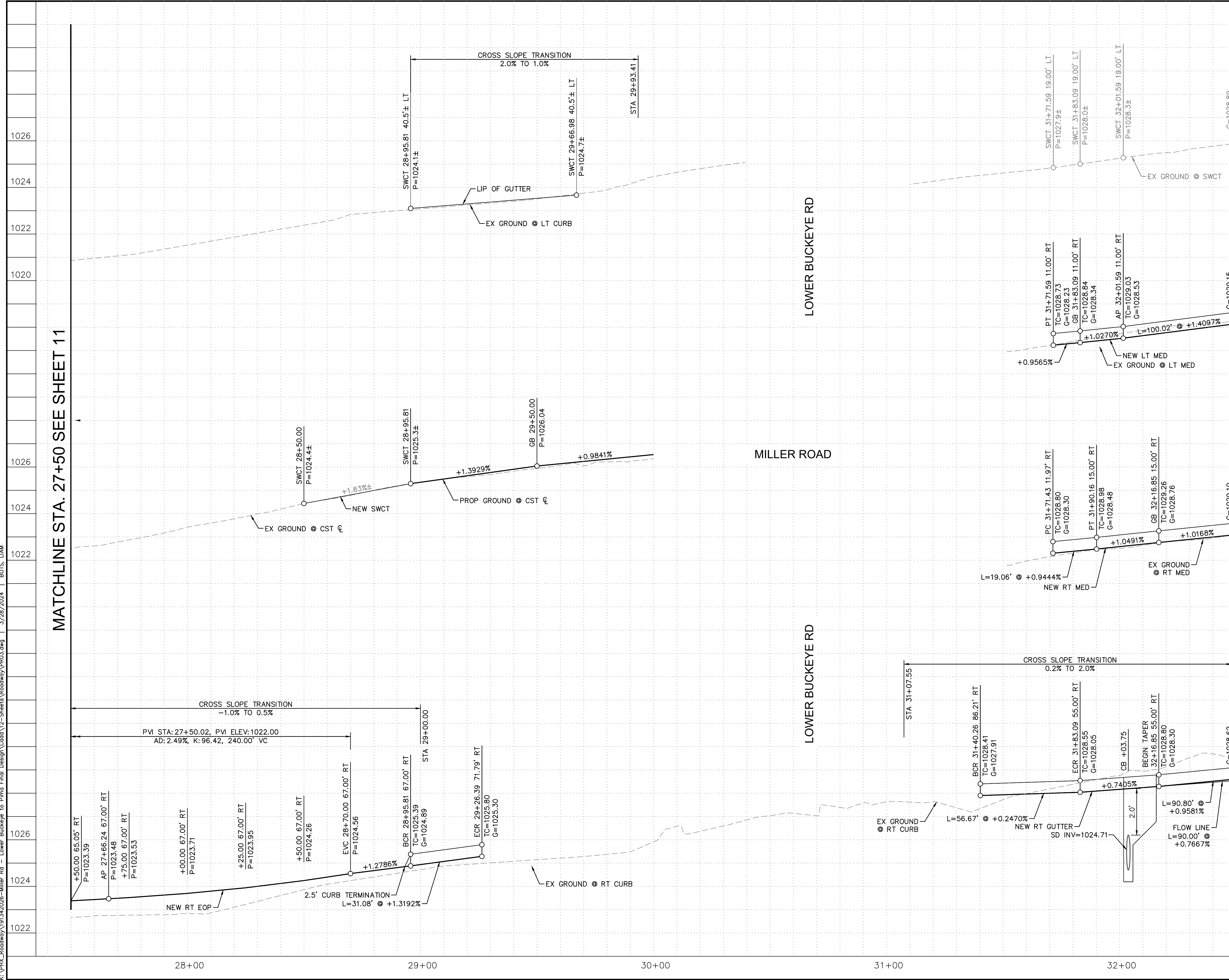
REMOVAL AND RELOCATION NOTES				REMOVAL AND RELOCATION NOTES CONT.			
NO	DESCRIPTION	UNIT	QTY	NO	DESCRIPTION	UNIT	QTY
1	REMOVE AC PAVEMENT	SY	3385	14	REMOVE EXIST CONCRETE LINED DITCH, BACKFILL & COMPACT	LF	93
3	REMOVE EXIST CURB & GUTTER AND SINGLE CURB	LF	204	16	RELOCATE OHE POWER POLE (BY APS)	-	-
10	REMOVE EXIST FENCE	LF	162	25	REMOVE GUARDRAIL	LF	317
11	REMOVE EXIST PIPE, BACKFILL & COMPACT	LF	59	31	REMOVE AIR RELEASE VALVE	EA	1

REMOVAL AND RELOCATION NOTES CONT.			
NO	DESCRIPTION	UNIT	QTY
32	REMOVE WATER METER	EA	1
38	RELOCATE PEDESTAL (BY CTL)	-	-
41	REMOVE SURVEY MONUMENT	EA	2

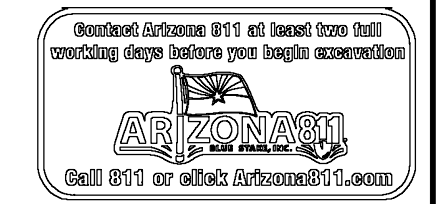
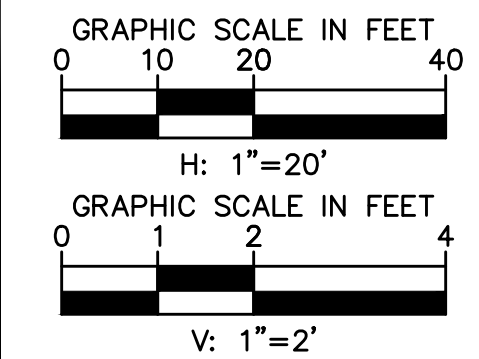
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MATCHLINE STA. 27+50 SEE SHEET 11

MATCHLINE STA. 32+50 SEE SHEET 15



- NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
 2. SEE SHEET 38 FOR INTERSECTION STAKING PLAN.



REVISIONS:

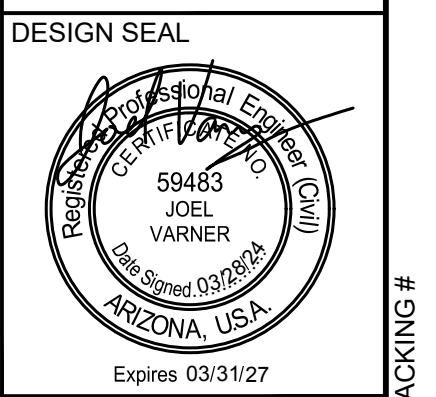
- 1
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PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PAVING PROFILE

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL
COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
DESIGN SEAL



ORIGINAL PLAN DATE
3/28/2024

LATEST REVISION DATE
PROJECT NUMBER
CIP #105260

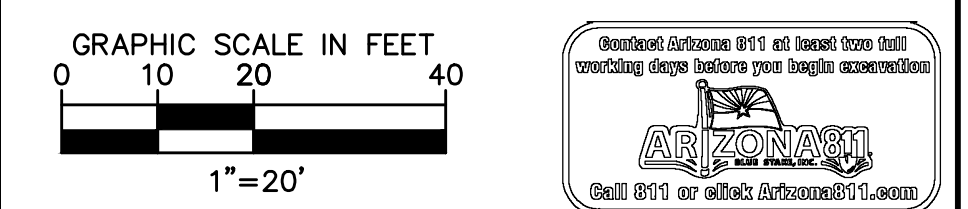
SHEET NUMBER
13 OF 133

SUBMITTAL:
FINAL

COB PLAN TRACKING #
N/A
COB PERMIT #
ENGMJRPCP-21-003

CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY
1	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 1	SY	3220
2	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 2	SY	2395
3	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 3	SY	170
5	PCCP, 9" THICK MODIFIED WITH FIBER MESH, CLASS A, MAG SECTION 725	SY	509
6	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6"	LF	166
7	CONCRETE SINGLE CURB PER MAG DTL 222, TYPE 'A', H=6"	LF	356
9	MEDIAN PAVERS PER COB DTL 63206 SEE NOTE 9	SF	2158
10	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6", REVERSE PAN	LF	1098
11	CONCRETE SIDEWALK PER MAG DTL 230	SF	3861
13	DIRECTIONAL CURB RAMP PER SPECIAL DETAIL	EA	2
15	MEDIAN NOSE TRANSITION PER MAG DTL 223, SEE DETAIL SHEET 7	SF	171
16	CONCRETE VALLEY GUTTER WITH FIBER MESH PER MAG DTL 240	SF	1232
19	CONCRETE BUS PAD PER COP DTL P1256-1	EA	1
20	ADJUST VALVE BOX & COVER PER MAG DTL 391-2	EA	6
21	ADJUST MANHOLE FRAME & COVER PER MAG DTL 422-1 & 422-2	EA	2
24	NEW SURVEY MONUMENT, MAG DTL 120, TYPE B	EA	1
32	CURB & GUTTER TERMINATION, SEE DETAIL SHEET 4	EA	2
34	NEW FENCE, MATCH IN-KIND	LF	214
42	DECOMPOSED GRANITE, 1" AGG. SIZE, 2" THICK, SADDLEBACK BROWN COLOR	SY	79



REVISIONS:

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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS PAVING PLAN

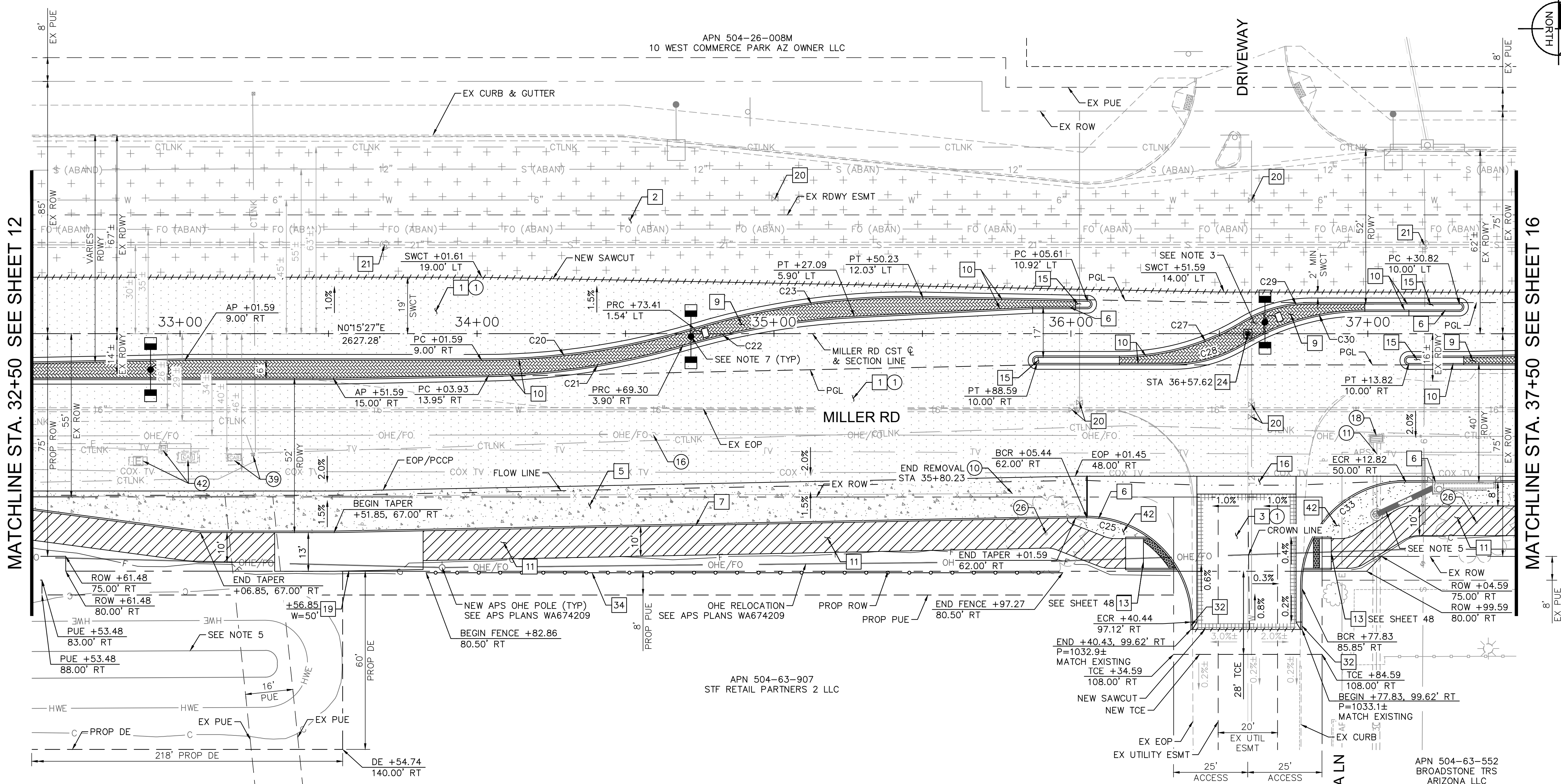
ENGINEER INFORMATION: **Kimley»Horn**
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL: [Signature] COB ENGINEERING APPROVED SEAL: [Signature]

AS-BUILT SEAL: [Signature] DESIGN SEAL: [Signature]

NO	DESCRIPTION	UNIT	QTY	NO	DESCRIPTION	UNIT	QTY
1	REMOVE AC PAVEMENT	SY	2445	18	REMOVE CATCH BASIN	EA	1
10	REMOVE EXIST FENCE	LF	330	26	REMOVE TREE	EA	2
11	REMOVE EXIST PIPE, BACKFILL & COMPACT	EA	25	39	RELOCATE UTILITIES (BY LUMEN/CTL)	EA	-
16	RELOCATE OHE POWER POLE (BY APS)	-	-	42	RELOCATE UTILITIES (BY APS)	EA	-

ORIGINAL PLAN DATE: 3/28/2024 LATEST REVISION DATE: [Blank]
PROJECT NUMBER: CIP #105260 SHEET NUMBER: 14 OF 133



MATCHLINE STA. 32+50 SEE SHEET 12

MATCHLINE STA. 37+50 SEE SHEET 16

APN 504-26-008M
10 WEST COMMERCE PARK AZ OWNER LLC

APN 504-63-907
STF RETAIL PARTNERS 2 LLC

APN 504-63-906A
LDV VENTURES LLC

APN 504-63-552
BROADSTONE TRS ARIZONA LLC

CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	TANGENT
C20	250.00'	72.85'	16°41'43"	36.68'
C21	250.00'	66.33'	15°12'10"	33.36'
C22	250.00'	58.74'	13°27'48"	29.51'
C23	250.00'	77.85'	17°50'27"	39.24'
C25	35.00'	55.10'	90°11'31"	35.12'
C27	80.00'	43.47'	31°07'47"	22.28'
C28	45.00'	24.45'	31°07'47"	12.53'
C29	45.00'	24.45'	31°07'47"	12.53'
C30	80.00'	43.47'	31°07'47"	22.28'
C33	35.00'	55.82'	91°23'01"	35.86'

- NOTES:
- ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 - SEE SHEET 15 FOR PAVING PROFILE.
 - SEE SHEET 44 FOR PROPELLER MEDIAN STAKING DETAIL.
 - SEE SHEET 48 FOR SIDEWALK RAMP DETAILS.
 - SEE SHEETS 64 & 70 FOR DRAINAGE PLANS.
 - SEE SHEETS 64 & 70 FOR SIGNING AND PAVEMENT MARKING PLANS.
 - SEE SHEET 97 FOR STREET LIGHTING PLANS.
 - SEE SHEET 124 FOR ITS PLANS.
 - MEDIAN PAVERS SHALL BE COLORS OF "VEGAS BROWN AND CHARCOAL." PATTERN PER COB ARTERIAL GATEWAY GUIDE - APPENDIX G - HARDSCAPE TOOL: PAVERS - NATURE: MOUNTAIN PAVER THEME.

K:\PHX_Roadway to Pima Final Design\Cadd\12-Sheets\Roadway\12-04.dwg | 3/28/2024 | BOTS, LIAM

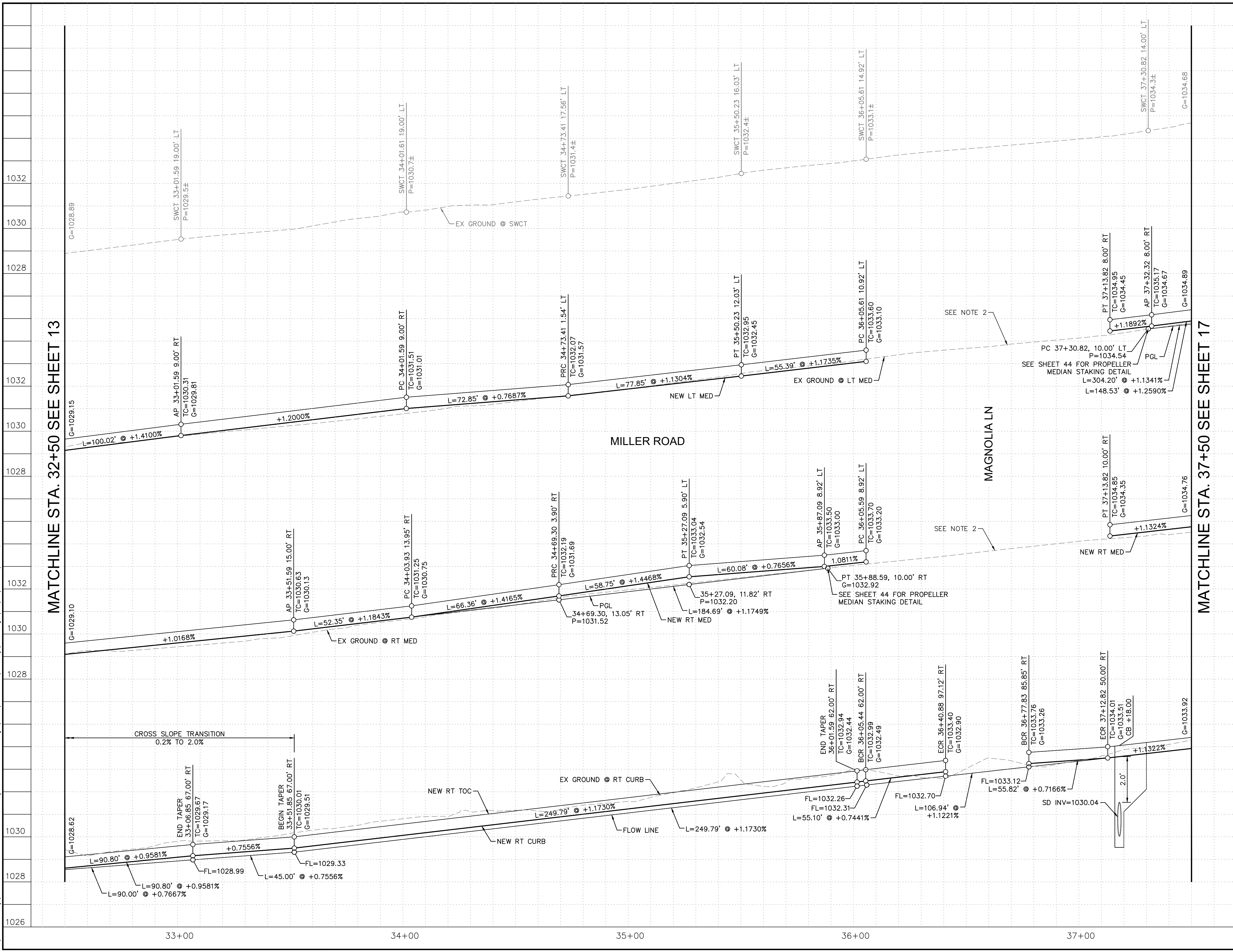
SUBMITTAL: FINAL

COB PLAN TRACKING # N/A COB PERMIT # ENGJMRCIP-21-1003

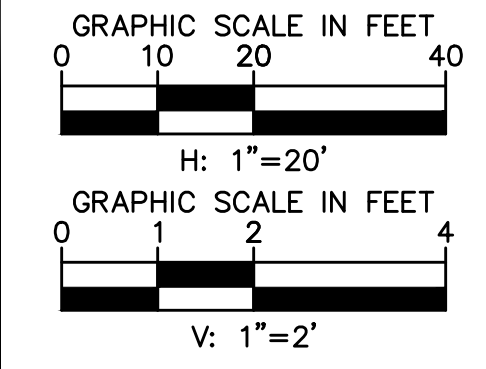
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MATCHLINE STA. 32+50 SEE SHEET 13

MATCHLINE STA. 37+50 SEE SHEET 17

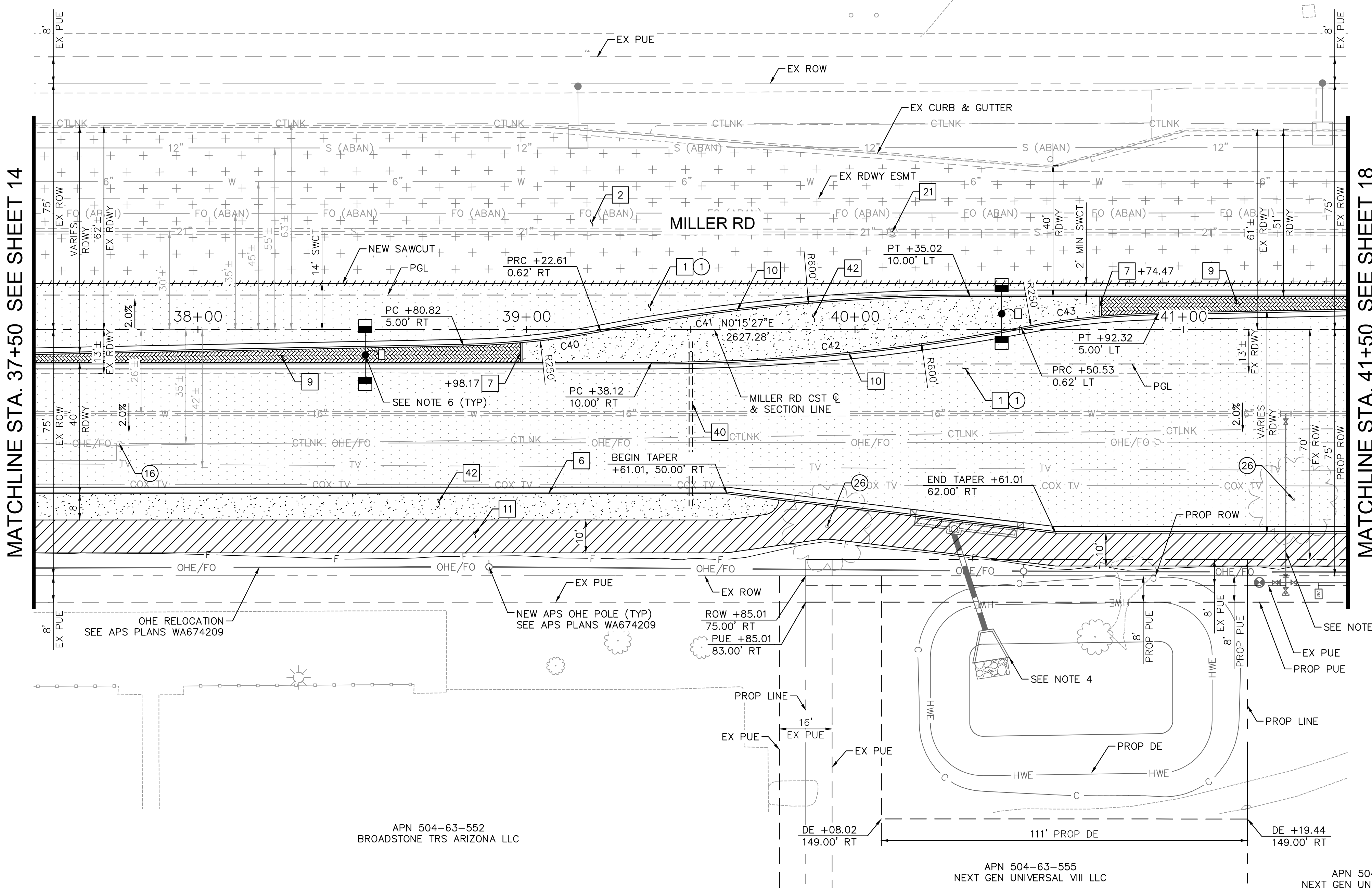
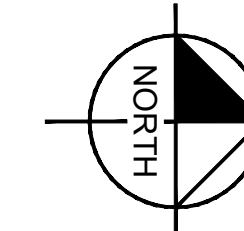


- NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 2. SEE SHEET DETAIL SHEET 44 FOR PROPELLER MEDIAN STAKING DETAIL.



REVISIONS:	
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PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS PAVING PROFILE	
ENGINEER INFORMATION Kimley-Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 15 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING #	
COB PERMIT #	
ENGMJRPCP-21-003	

APN 504-26-008M
10 WEST COMMERCE PARK AZ OWNER LLC



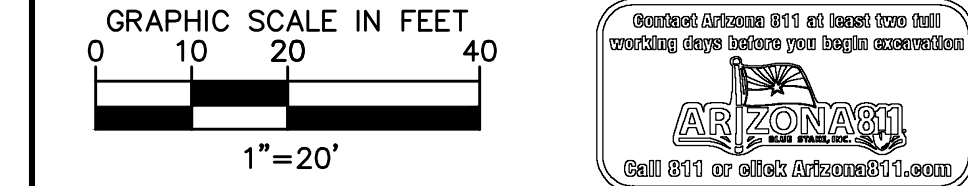
MATCHLINE STA. 37+50 SEE SHEET 14

MATCHLINE STA. 41+50 SEE SHEET 18

CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 1	SY	2424
2	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 2	SY	1820
6	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6"	LF	401
7	CONCRETE SINGLE CURB PER MAG DTL 222, TYPE 'A', H=6"	LF	12
9	MEDIAN PAVERS PER COB DTL 63206 SEE NOTE 9	SF	923
10	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6", REVERSE PAN	LF	802
11	CONCRETE SIDEWALK PER MAG DTL 230	SF	4035
21	ADJUST MANHOLE FRAME & COVER PER MAG DTL 422-1 & 422-2	EA	1
40	SCHEDULE 80 PVC 6" IRRIGATION SLEEVE, SPEARS OR EQUAL, SEE DETAIL SHEET 7	LF	50
42	DECOMPOSED GRANITE, 1" AGG. SIZE, 2" THICK, SADDLEBACK BROWN COLOR	SY	434

REMOVAL AND RELOCATION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	REMOVE AC PAVEMENT	SY	1217
16	RELOCATE OHE POWER POLE (BY APS)	-	-
26	REMOVE TREE	EA	2

- NOTES:
- ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 - SEE SHEET 17 FOR PAVING PROFILE.
 - SEE SHEET 44 FOR PROPELLER MEDIAN STAKING DETAIL.
 - SEE SHEET 51 FOR DRAINAGE PLANS.
 - SEE SHEETS 65 & 71 FOR SIGNING AND PAVEMENT MARKING PLANS.
 - SEE SHEET 98 FOR STREET LIGHTING PLANS.
 - SEE SHEET 125 FOR ITS PLANS.
 - SEE SHEET 131 FOR WATER PLANS.
 - MEDIAN PAVERS SHALL BE COLORS OF "VEGAS BROWN AND CHARCOAL" PATTERN PER COB ARTERIAL GATEWAY GUIDE - APPENDIX G - HARDSCAPE TOOL: PAVERS - NATURE: MOUNTAIN PAVEMENT THEME.

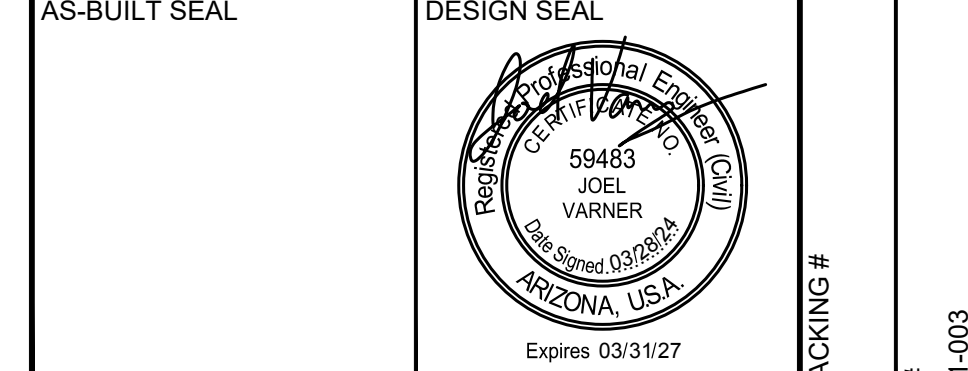


REVISIONS:	
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PLAN NAME
**MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PAVING PLAN**

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL



ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 16 OF 133

SUBMITTAL: **FINAL**

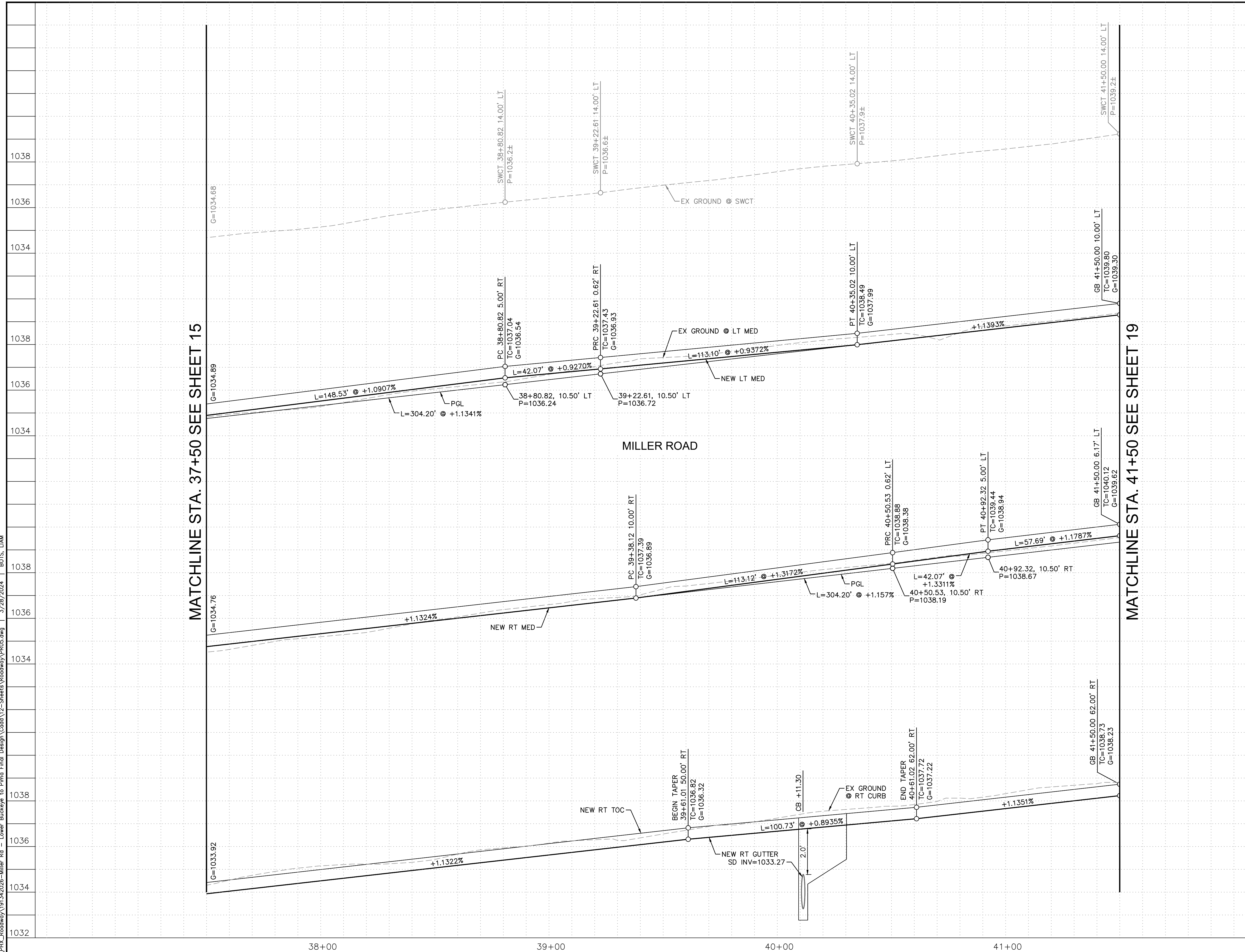
COB PLAN TRACKING #
N/A

COB PERMIT #
ENGMJRPCP-21-003

CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C40	250.00'	42.07'	9°38'27"	21.08'
C41	600.00'	113.08'	10°47'54"	56.71'
C42	600.00'	113.08'	10°47'54"	56.71'
C43	250.00'	42.07'	9°38'27"	21.08'

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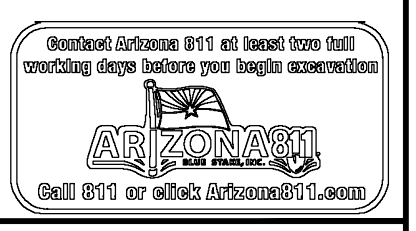
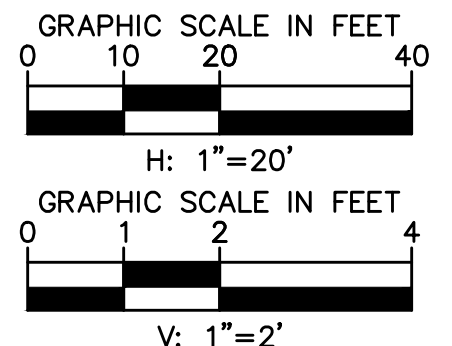


MATCHLINE STA. 37+50 SEE SHEET 15

MATCHLINE STA. 41+50 SEE SHEET 19

MILLER ROAD

- NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 2. SEE SHEET 44 FOR PROPELLER MEDIAN STAKING DETAIL.

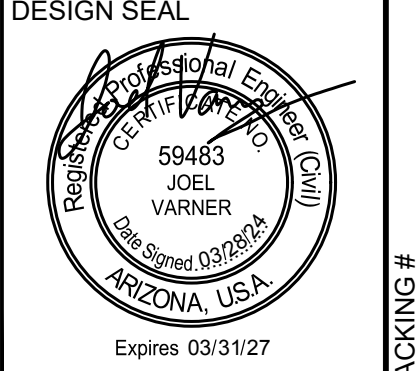


REVISIONS:	
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PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 PAVING PROFILE**

ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

1040	COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	FINAL
1038	AS-BUILT SEAL	DESIGN SEAL	



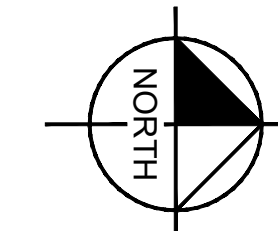
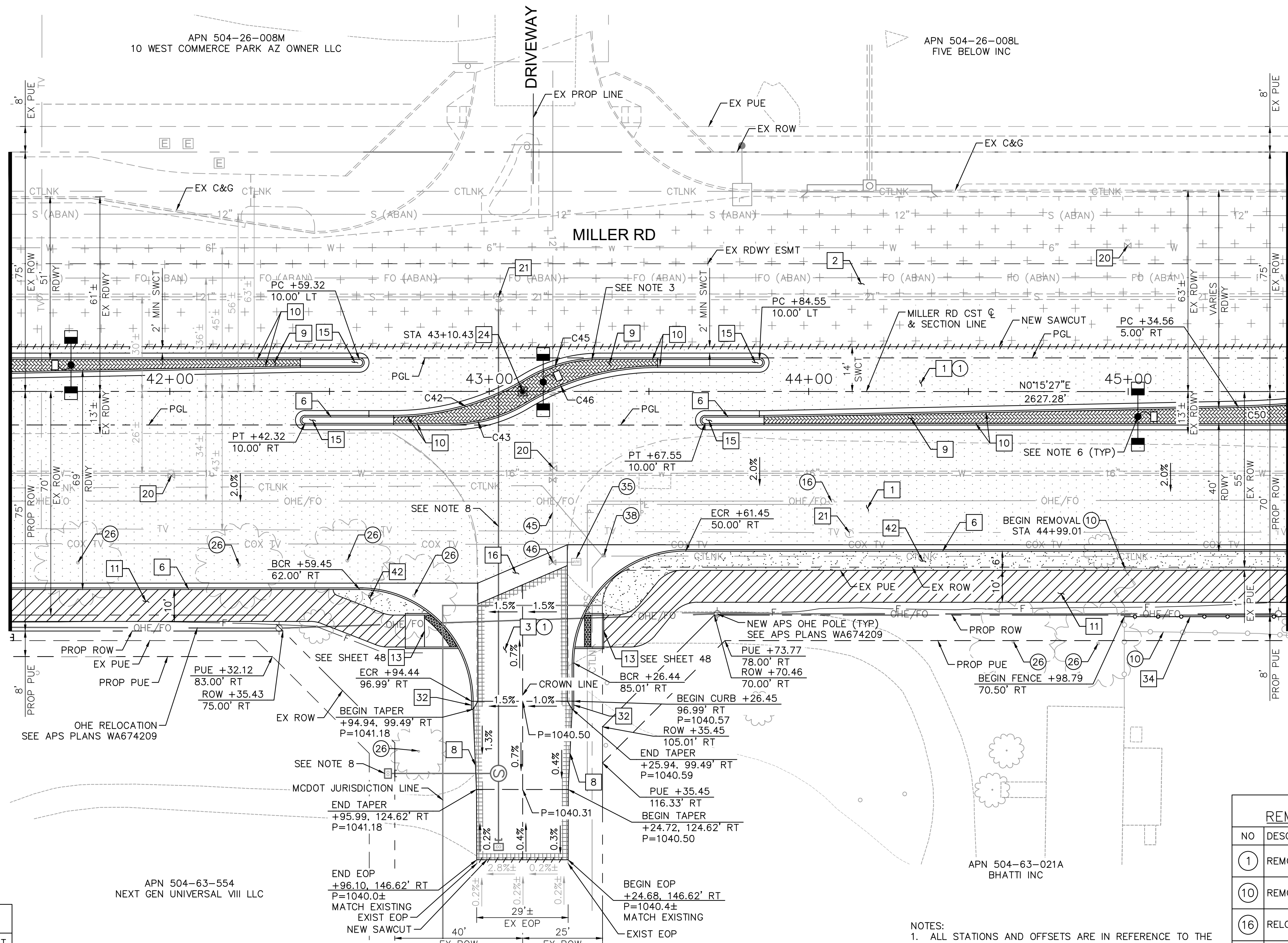
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	PROJECT NUMBER CIP #105260	SHEET NUMBER 17 OF 133

COB PLAN TRACKING #
 N/A
 COB PERMIT #
 ENGMJRPCP-21-003

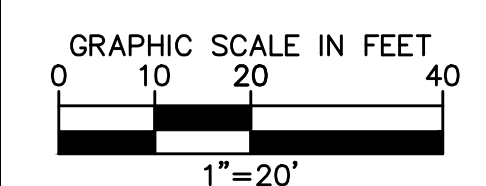
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MATCHLINE STA. 41+50 SEE SHEET 16

MATCHLINE STA. 45+50 SEE SHEET 20



CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 1	SY	2611
2	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 2	SY	1852
3	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 3	SY	275
6	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6"	LF	427
8	ASPHALT PAVEMENT EDGE PER MAG DTL 201, TYPE A	-	NPI
9	MEDIAN PAVERS PER COB DTL 63206 SEE NOTE 9	SF	1241
10	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6", REVERSE PAN	LF	893
11	CONCRETE SIDEWALK PER MAG DTL 230	SF	3464
13	DIRECTIONAL CURB RAMP PER SPECIAL DETAIL	EA	2
15	MEDIAN NOSE THRESHOLD PER MAG DTL 223, SEE DETAIL SHEET 7	SF	199
16	CONCRETE VALLEY GUTTER WITH FIBER MESH PER MAG DTL 240	SF	771
20	ADJUST VALVE BOX & COVER PER MAG DTL 391-2	EA	5
21	ADJUST MANHOLE FRAME & COVER PER MAG DTL 422-1 & 422-2	EA	2
24	NEW SURVEY MONUMENT, MAG DTL 120, TYPE B	EA	1
32	CURB & GUTTER TERMINATION, SEE DETAIL SHEET 7	EA	2
34	NEW FENCE, MATCH IN-KIND	LF	51
42	DECOMPOSED GRANITE, 1" AGG. SIZE, 2" THICK, SADDLEBACK BROWN COLOR	SY	172



- REVISIONS:
- 1
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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS PAVING PLAN

ENGINEER INFORMATION
Kimley-Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

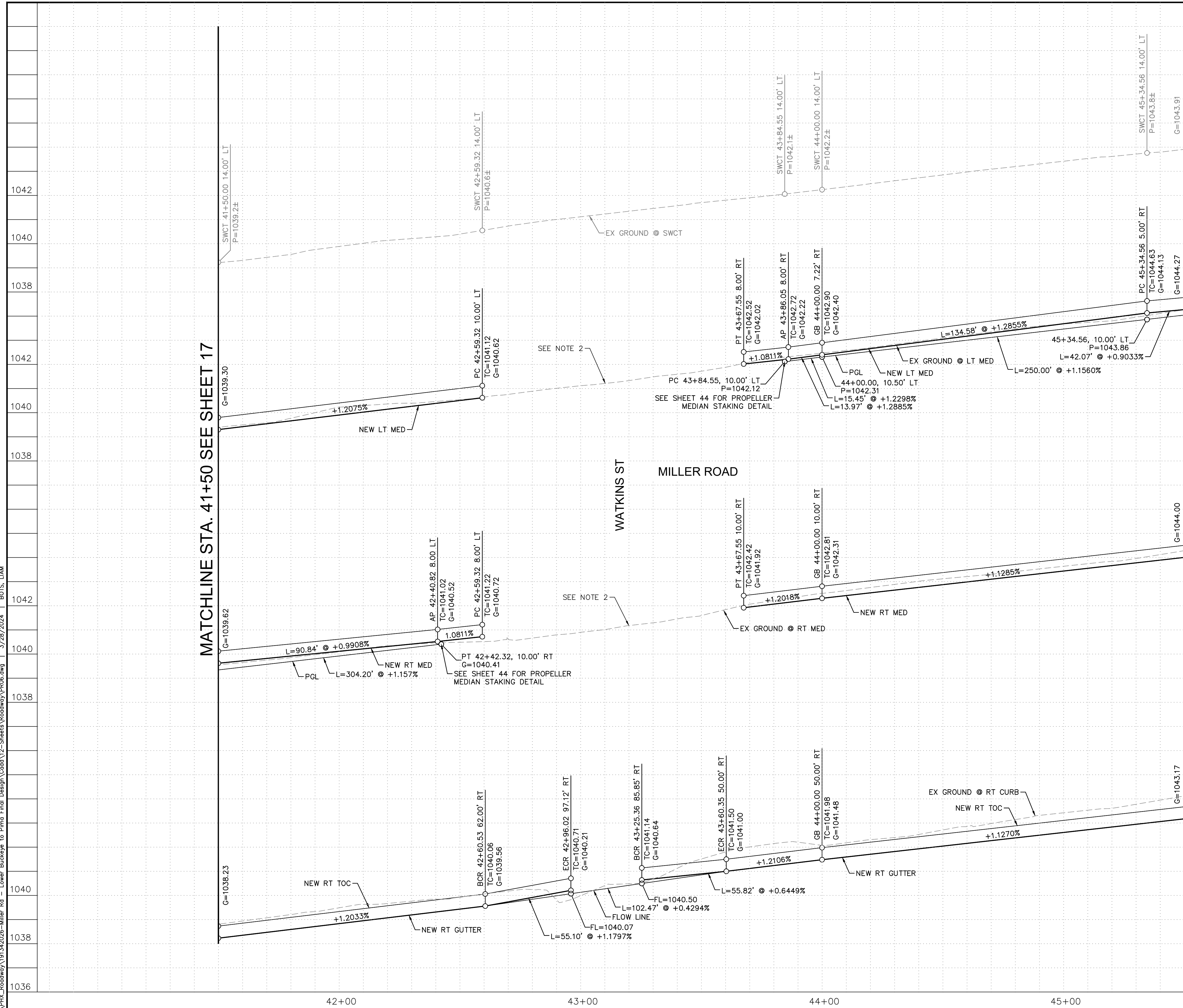
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	SUBMITTAL: FINAL
AS-BUILT SEAL	DESIGN SEAL	
		COB PLAN TRACKING #
ORIGINAL PLAN DATE: 3/28/2024	LATEST REVISION DATE:	COB PERMIT #
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 18 OF 133	ENG#MRCIP-21-003

CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C42	80.00'	43.47'	31°07'47"	22.28'
C43	45.00'	24.45'	31°07'47"	12.53'
C45	45.00'	24.45'	31°07'47"	12.53'
C46	80.00'	43.47'	31°07'47"	22.28'

REMOVAL AND RELOCATION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	REMOVE AC PAVEMENT	SY	1750
10	REMOVE EXIST FENCE	LF	102
16	RELOCATE OHE POWER POLE (BY APS)	-	-
26	REMOVE TREE	EA	7
35	REMOVE WATER METER	EA	1
38	RELOCATE PEDESTAL (BY CTL)	EA	-
45	ABANDON EXISTING WATER STUB, SEE DETAIL SHEET 6	EA	1
46	ABANDON EXISTING WATER VALVE, SEE DETAIL SHEET 6	EA	1

- NOTES:
- ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 - SEE SHEET 19 FOR PAVING PROFILE.
 - SEE SHEET 44 FOR PROPELLER MEDIAN STAKING DETAIL.
 - SEE SHEET 48 FOR SIDEWALK RAMP DETAILS.
 - SEE SHEETS 65 & 71 FOR SIGNING AND PAVEMENT MARKING PLANS.
 - SEE SHEET 99 FOR STREET LIGHTING PLANS.
 - SEE SHEET 125 FOR ITS PLANS.
 - SEE SHEET 128 FOR SEWER LATERAL PLANS.
 - MEDIAN PAVERS SHALL BE COLORS OF "VEGAS BROWN AND CHARCOAL." PATTERN PER COB ARTERIAL GATEWAY GUIDE - APPENDIX G - HARDSCAPE TOOL: PAVERS - NATURE: MOUNTAIN PAVER THEME.

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\2-Sheets\Roadway\PR06.dwg | 3/28/2024 | BOTS, LHM

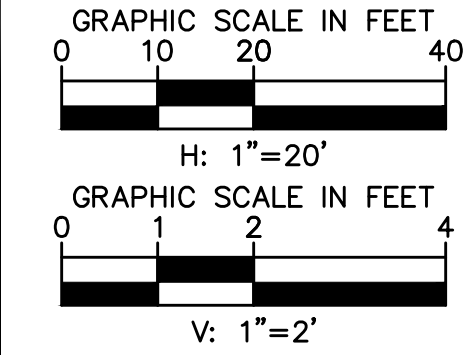


MATCHLINE STA. 41+50 SEE SHEET 17

MATCHLINE STA. 45+50 SEE SHEET 21

1046
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NOTES:
 1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 2. SEE DETAIL SHEET 44 FOR PROPELLER MEDIAN STAKING DETAIL.



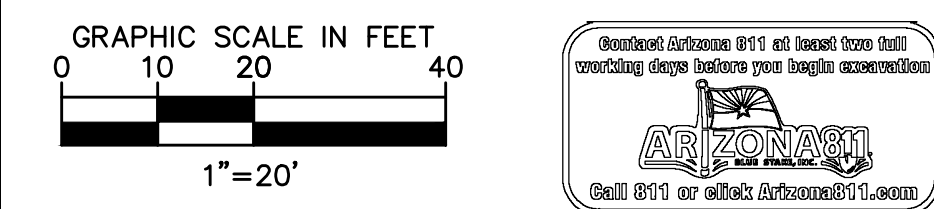
REVISIONS:	
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PLAN NAME: MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 PAVING PROFILE

ENGINEER INFORMATION		SUBMITTAL: FINAL
Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500 COB PERMITTING APPROVED SEAL COB ENGINEERING APPROVED SEAL		
AS-BUILT SEAL	DESIGN SEAL	Expires 03/31/27 ORIGINAL PLAN DATE: 3/28/2024 LATEST REVISION DATE: PROJECT NUMBER: CIP #105260 SHEET NUMBER: 19 OF 133
COB PLAN TRACKING # COB PERMIT # ENGMJRCIP-21-003		

CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY
1	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 1	SY	3123
2	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 2	SY	1996
3	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 3	SY	179
6	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6"	LF	535
7	CONCRETE SINGLE CURB PER MAG DTL 222, TYPE 'A', H=6"	LF	33
9	MEDIAN PAVERS PER COB DTL 63206 SEE NOTE 11	SF	1255
10	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6", REVERSE PAN	LF	1050
11	CONCRETE SIDEWALK PER MAG DTL 230	SF	4443
13	DIRECTIONAL CURB RAMP PER SPECIAL DETAIL	EA	2
15	MEDIAN NOSE TRANSITION PER MAG DTL 223, SEE DETAIL SHEET 7	SF	137
16	CONCRETE VALLEY GUTTER WITH FIBER MESH PER MAG DTL 240	SF	805
20	ADJUST VALVE BOX & COVER PER MAG DTL 391-2	EA	4
21	ADJUST MANHOLE FRAME & COVER PER MAG DTL 422-1 & 422-2	EA	2
24	NEW SURVEY MONUMENT, MAG DTL 120, TYPE B	EA	1
32	CURB & GUTTER TERMINATION, SEE DETAIL SHEET 7	EA	1
34	NEW FENCE, MATCH IN-KIND	LF	275
40	SCHEDULE 80 PVC 6" IRRIGATION SLEEVE, SPEARS OR EQUAL, SEE DETAIL SHEET 7	LF	347
42	DECOMPOSED GRANITE, 1" AGG. SIZE, 2" THICK, SADDLEBACK BROWN COLOR	SY	492



REVISIONS:

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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS PAVING PLAN

ENGINEER INFORMATION: **Kimley-Horn**

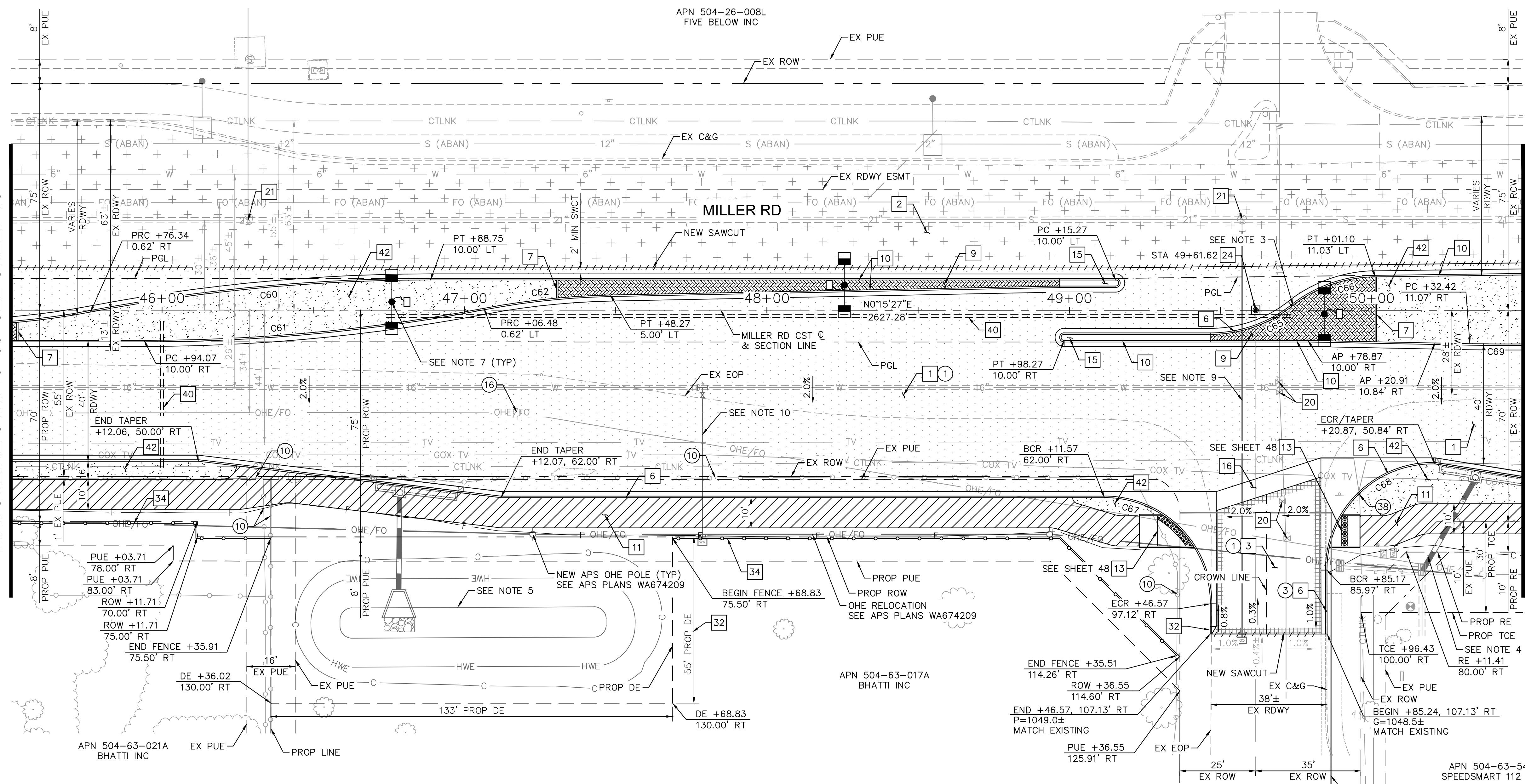
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500
 COB PERMITTING APPROVED SEAL: [Signature]
 COB ENGINEERING APPROVED SEAL: [Signature]

AS-BUILT SEAL: [Signature]
 DESIGN SEAL: [Signature]

NO	DESCRIPTION	UNIT	QTY
1	REMOVE AC PAVEMENT	SY	2685
3	REMOVE EXIST CURB & GUTTER AND SINGLE CURB	LF	44
10	REMOVE EXIST FENCE	EA	491
16	RELOCATE OHE POWER POLE (BY APS)	-	-
38	RELOCATE PEDESTAL (BY CTL)	-	-

MATCHLINE STA. 45+50 SEE SHEET 18

MATCHLINE STA. 50+50 SEE SHEET 22



CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	TANGENT
C60	600.00'	113.08'	10°47'54"	56.71'
C61	600.00'	113.08'	10°47'54"	56.71'
C62	250.00'	42.07'	9°38'27"	21.08'
C65	43.80'	29.13'	38°06'39"	15.13'
C66	45.50'	29.68'	37°22'10"	15.39'
C67	35.00'	55.10'	90°11'31"	35.12'
C68	35.00'	55.81'	91°21'24"	35.84'
C69	600.00'	143.05'	13°39'35"	71.86'

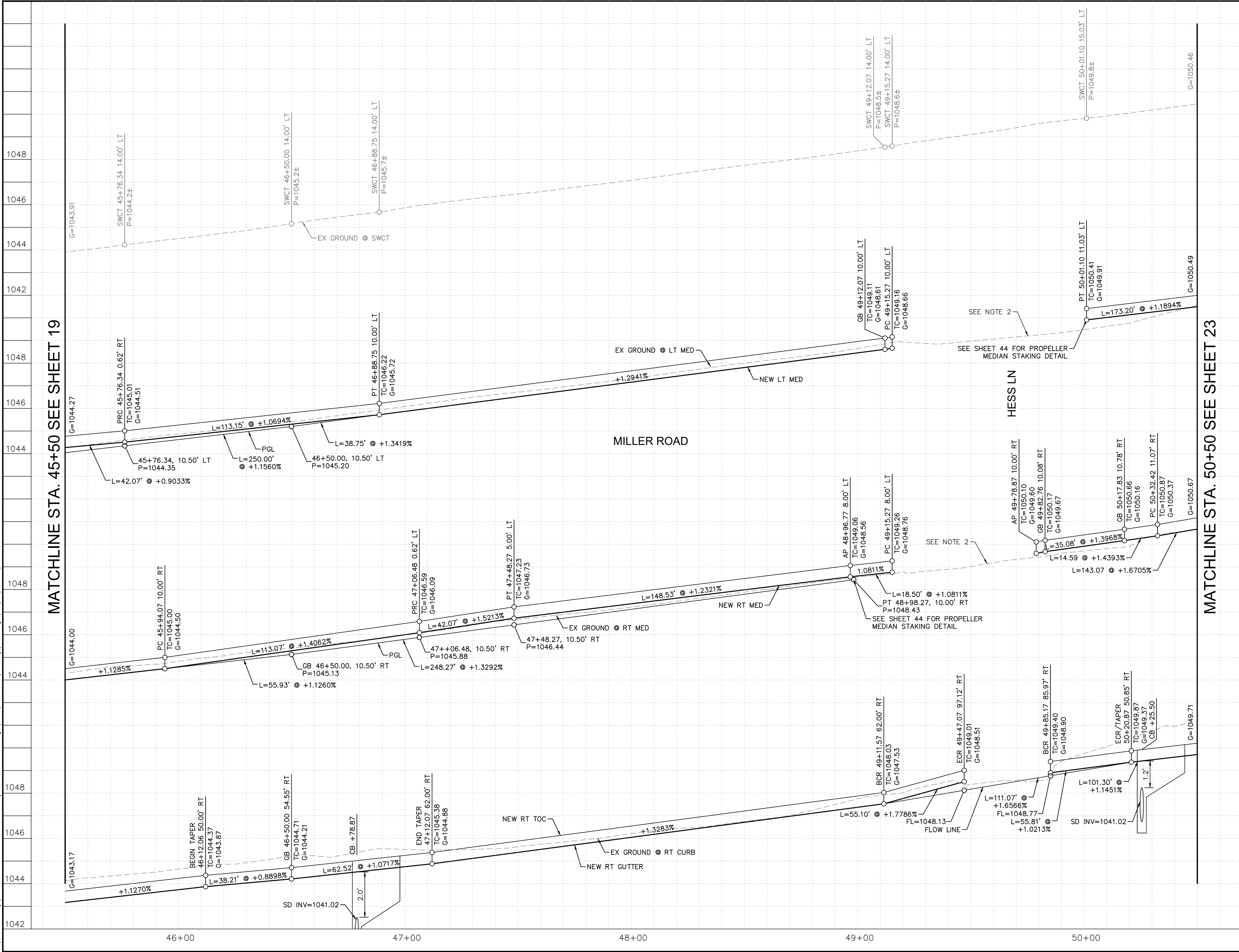
- NOTES:
- ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 - SEE SHEET 21 FOR PAVING PROFILE.
 - SEE SHEET 44 FOR PROPELLER MEDIAN STAKING DETAIL.
 - SEE SHEET 48 FOR SIDEWALK RAMP DETAILS.
 - SEE SHEET 52 FOR DRAINAGE PLANS.
 - SEE SHEETS 65 & 71 FOR SIGNING AND PAVEMENT MARKING PLANS.
 - SEE SHEET 100 FOR STREET LIGHTING PLANS.
 - SEE SHEETS 125 & 126 FOR ITS PLANS.
 - SEE SHEET 128 FOR SEWER LATERAL PLAN.
 - SEE SHEET 131 FOR WATER PLAN.
 - MEDIAN PAVERS SHALL BE COLORS OF "VEGAS BROWN AND CHARCOAL" PATTERN PER COB ARTERIAL GATEWAY GUIDE - APPENDIX G - HARDSCAPE TOOL: PAVERS - NATURE: MOUNTAIN PAVER THEME.

SUBMITTAL: FINAL

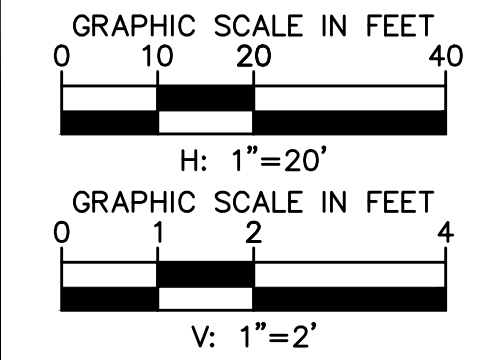
COB PLAN TRACKING #
N/A
COB PERMIT #
ENGMJPCP-21-1003

MATCHLINE STA. 45+50 SEE SHEET 19

MATCHLINE STA. 50+50 SEE SHEET 23



- NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 2. SEE DETAIL SHEET 44 FOR PROPELLER MEDIAN STAKING DETAIL.



REVISIONS:

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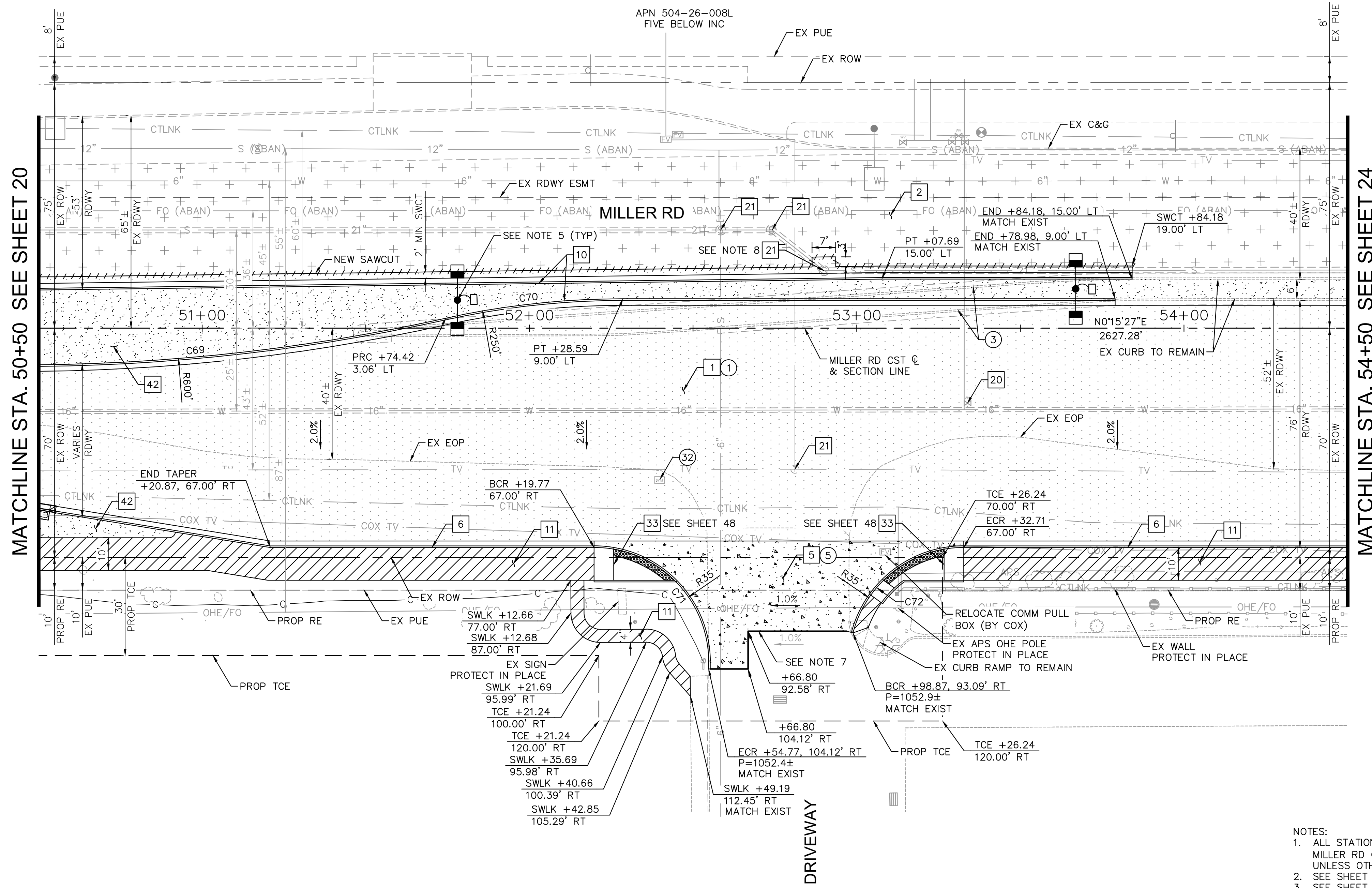
PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 PAVING PROFILE**

ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

1052	COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	FINAL
1050			

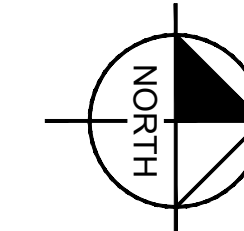
AS-BUILT SEAL	DESIGN SEAL	
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	
PROJECT NUMBER CIP #105260	SHEET NUMBER 21 OF 133	SUBMITTAL: FINAL
		COB PLAN TRACKING #
		ENG PERMIT #
		ENG MJCIP-21-003

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MATCHLINE STA. 50+50 SEE SHEET 20

MATCHLINE STA. 54+50 SEE SHEET 24



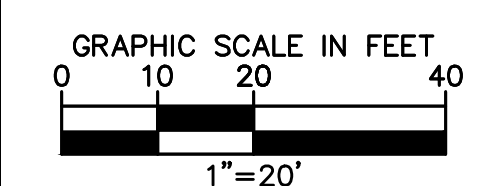
CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C69	600.00'	143.05'	13°39'35"	71.86'
C70	250.00'	54.60'	12°30'51"	27.41'
C71	35.00'	54.66'	89°28'55"	34.68'
C72	35.00'	45.96'	75°14'33"	26.97'

APN 504-63-548
SPEEDSMART 112 INC

- NOTES:
- ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 - SEE SHEET 23 FOR PAVING PROFILE.
 - SEE SHEET 48 FOR SIDEWALK RAMP DETAILS.
 - SEE SHEETS 65 & 71 FOR SIGNING AND PAVEMENT MARKING PLANS.
 - SEE SHEET 101 FOR STREET LIGHTING PLANS.
 - SEE SHEET 126 FOR ITS PLANS.
 - CONTRACTOR SHALL REMOVE EXISTING CONCRETE PANELS AT THE NEAREST JOINT.
 - CONTRACTOR SHALL ROTATE THE MANHOLE CONE TO BE OUTSIDE OF THE PROPOSED MEDIAN CURBING. CONTRACTOR SHALL CONTACT CITY ENGINEER PRIOR TO FORMING THE CURB & GUTTER AND ADJUSTING MANHOLE TO GRADE. IF THE MANHOLE CONE CANNOT BE ROTATED OUTSIDE OF THE PROPOSED MEDIAN CURBING, THE CONTRACTOR SHALL UTILIZE MAG STD DTL 272 AT NO ADDITIONAL COST.

CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 1	SY	2932
2	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 2	SY	1600
5	PCCP, 9" THICK, MODIFIED WITH FIBER MESH, CLASS A, MAG SECTION 725	SY	1774
6	CONCRETE CURB & GUTTER PER MAG DET 220-1, TYPE 'A', H=6"	LF	393
10	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6", REVERSE PAN	LF	666
11	CONCRETE SIDEWALK PER MAG DTL 230	SF	3152
20	ADJUST VALVE BOX & COVER PER MAG DTL 391-2, TYPE A	EA	1
21	ADJUST MANHOLE FRAME & COVER PER MAG DTL 422-1 & 422-2	EA	3
33	CURB RAMP PER SPECIAL DETAIL	EA	2
42	DECOMPOSED GRANITE, 2" THICK, 1" AGG. SIZE, 2" THICK, SADDLEBACK BROWN COLOR	SY	464

REMOVAL AND RELOCATION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	REMOVE AC PAVEMENT	SY	2328
3	REMOVE EXIST CURB & GUTTER AND SINGLE CURB	LF	472
5	REMOVE EXIST CONCRETE SIDEWALKS, DRIVEWAYS, AND SLABS	SF	1500
32	REMOVE WATER METER	EA	1

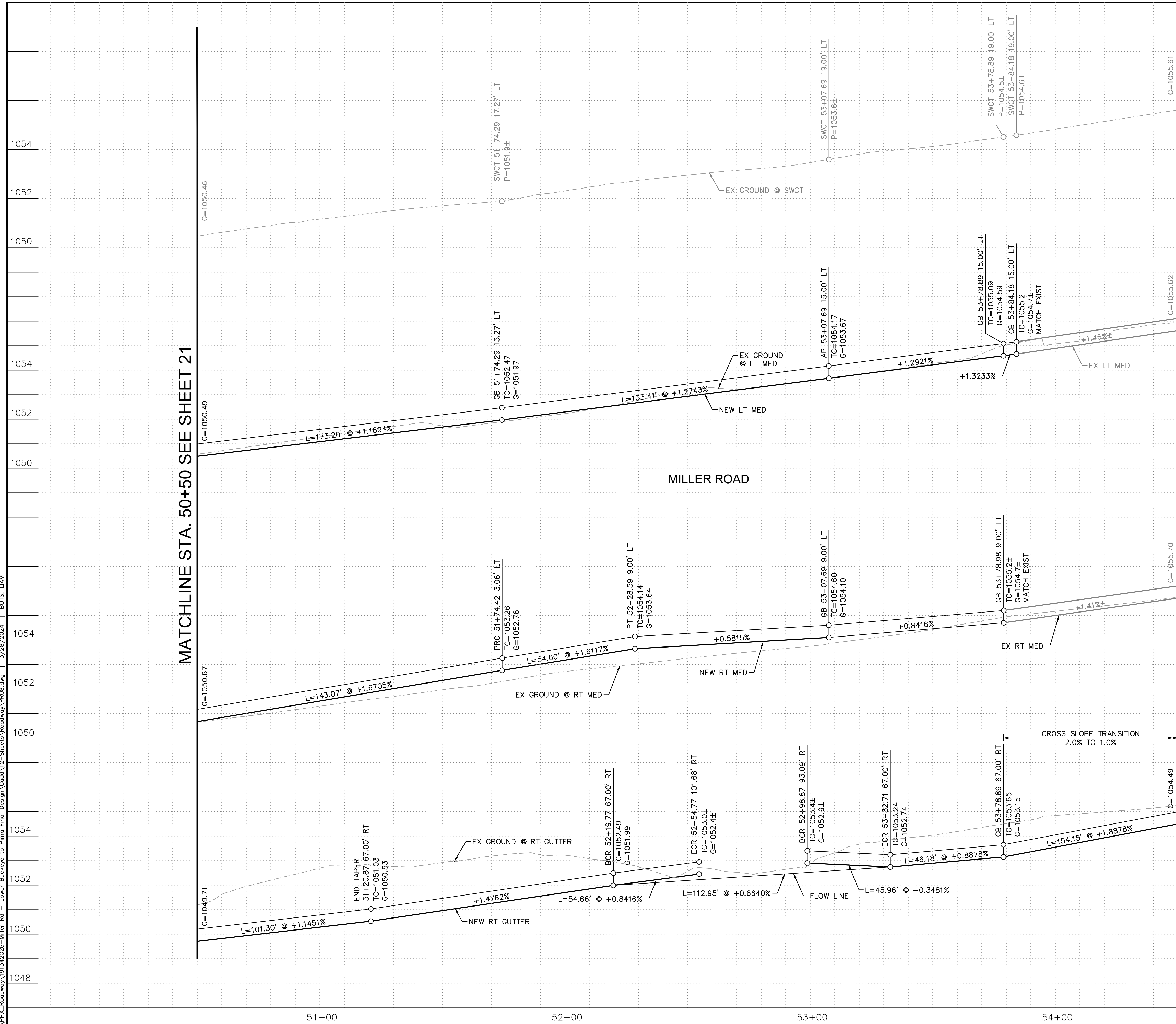


REVISIONS:	
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PLAN NAME: MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PAVING PLAN

ENGINEER INFORMATION		SUBMITTAL: FINAL
Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500 COB PERMITTING APPROVED SEAL COB ENGINEERING APPROVED SEAL		
AS-BUILT SEAL	DESIGN SEAL	TRACKING # PERMIT # ENGINEERING #
ORIGINAL PLAN DATE 3/28/2024 PROJECT NUMBER CIP #105260	LATEST REVISION DATE SHEET NUMBER 22 OF 133	

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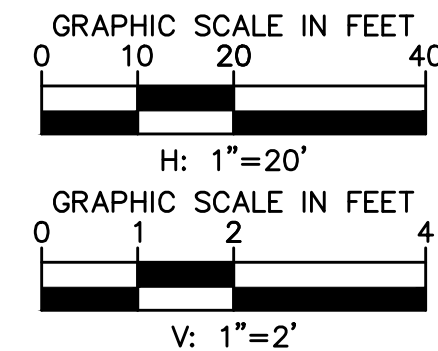


MATCHLINE STA. 50+50 SEE SHEET 21

MATCHLINE STA. 54+50 SEE SHEET 25

MILLER ROAD

NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.



REVISIONS:

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PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PAVING PROFILE

ENGINEER INFORMATION		SUBMITTAL: FINAL
<p>Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500</p> <p>COB PERMITTING APPROVED SEAL COB ENGINEERING APPROVED SEAL</p>		
AS-BUILT SEAL	DESIGN SEAL	
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	
PROJECT NUMBER CIP #105260	SHEET NUMBER 23 OF 133	COB PLAN TRACKING # N/A
		COB PERMIT # ENGMJRCIP-21-003


CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY
1	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 1	SY	7263
2	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 2	SY	315
6	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6"	LF	382
9	MEDIAN PAVERS PER COB DTL 63206 SEE NOTE 11	SF	907
10	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6", REVERSE PAN	LF	563
11	CONCRETE SIDEWALK PER MAG DTL 230	SF	4268
13	DIRECTIONAL CURB RAMP PER SPECIAL DETAIL	EA	4
15	MEDIAN NOSE TRANSITION PER MAG DTL 223, SEE DETAIL SHEET 7	SF	22
20	ADJUST VALVE BOX & COVER PER MAG DET 391-2, TYPE A	EA	8
21	ADJUST MANHOLE FRAME & COVER PER MAG DTL 422-1 & 422-2	EA	8
23	NEW SURVEY MONUMENT, MAG DTL 120 TYPE A	EA	1
39	INSTALL FIRE HYDRANT PER MAG DTL 360-1, COB DTL 31410, 31412 & 31414	EA	1
42	DECOMPOSED GRANITE, 1" AGG. SIZE, 2" THICK, SADDLEBACK BROWN COLOR	SY	259
46	6" DIP (CLASS 350) WATERLINE W/ POLYWRAP. TRENCH PER COB DTL 31380	LF	3

REMOVAL AND RELOCATION NOTES

NO	DESCRIPTION	UNIT	QTY
1	REMOVE AC PAVEMENT	SY	6185
3	REMOVE EXIST CURB & GUTTER AND SINGLE CURB	LF	31
5	REMOVE EXIST CONCRETE SIDEWALKS, DRIVEWAYS, AND SLABS	SF	231
30	REMOVE FIRE HYDRANT	EA	1

GRAPHIC SCALE IN FEET
0 10 20 40
1"=20'




REVISIONS:

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PLAN NAME
**MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PAVING PLAN**

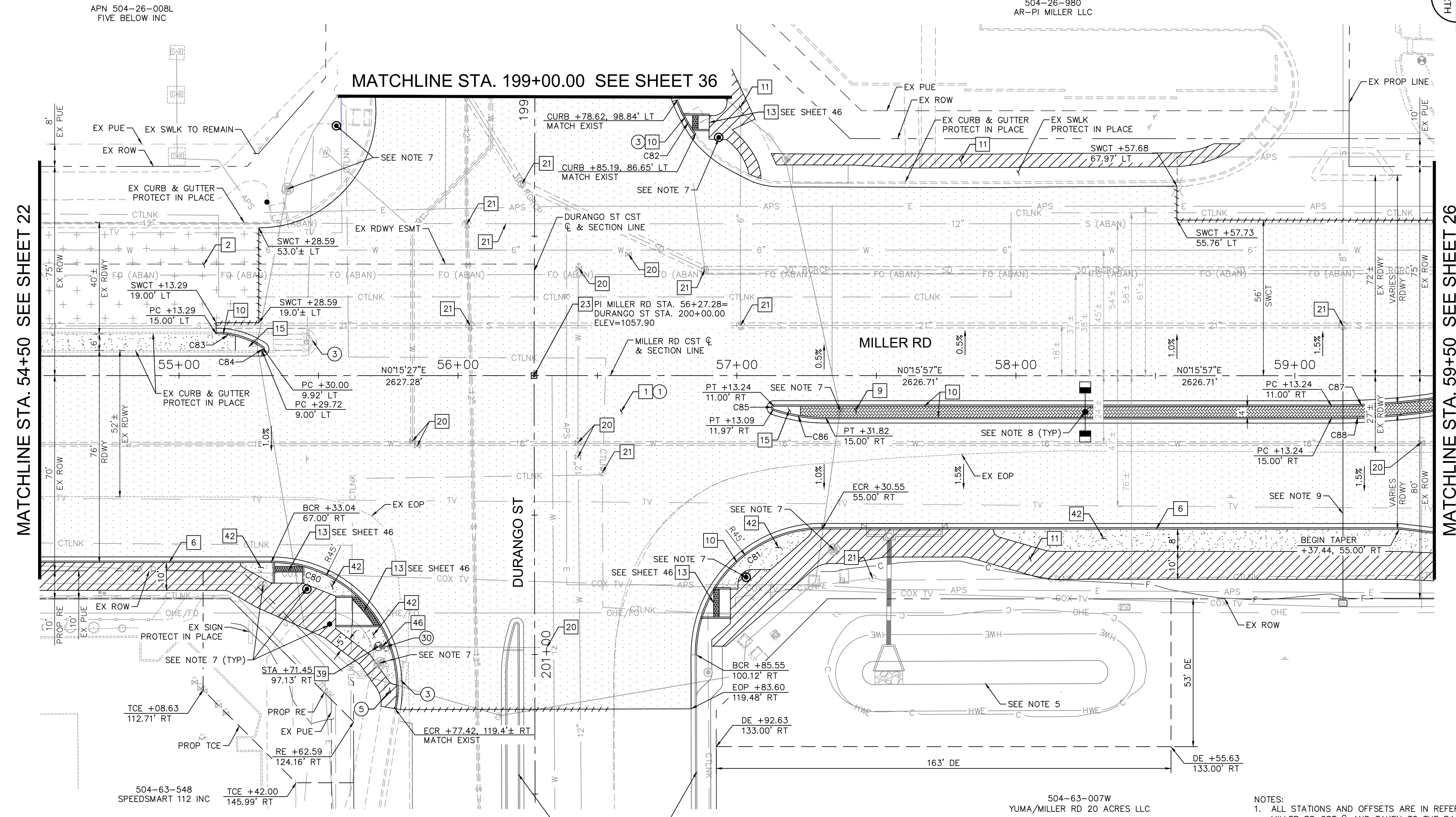
ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
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AS-BUILT SEAL	DESIGN SEAL 
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 24 OF 133

SUBMITTAL: **FINAL**
COB PLAN TRACKING #
N/A
COB PERMIT #
ENGMJRCIP-21-1003

- NOTES:
- ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 - SEE SHEET 25 FOR PAVING PROFILE.
 - SEE SHEET 40 FOR INTERSECTION STAKING.
 - SEE SHEET 46 FOR SIDEWALK RAMP DETAILS.
 - SEE SHEET 53 FOR DRAINAGE PLANS.
 - SEE SHEETS 65-66 & 71-72 FOR SIGNING AND PAVEMENT MARKING PLANS.
 - SEE SHEET 86 FOR TRAFFIC SIGNAL PLANS.
 - SEE SHEET 102 FOR STREET LIGHTING PLANS.
 - SEE SHEET 126 & 127 FOR ITS PLANS.
 - SEE SHEET 129 FOR SEWER LATERAL PLANS.
 - MEDIAN PAVERS SHALL BE COLORS OF "VEGAS BROWN AND CHARCOAL." PATTERN PER COB ARTERIAL GATEWAY GUIDE - APPENDIX G - HARDSCAPE TOOL: PAVERS - NATURE: MOUNTAIN PAVER THEME.



CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	TANGENT
C80	45.00'	78.14'	99°29'08"	53.14'
C81	45.00'	70.81'	90°09'09"	45.12'
C82	56.42'	13.89'	14°06'18"	6.98'
C83	30.00'	17.72'	33°50'56"	9.13'
C84	0.50'	1.28'	146°09'04"	1.64'

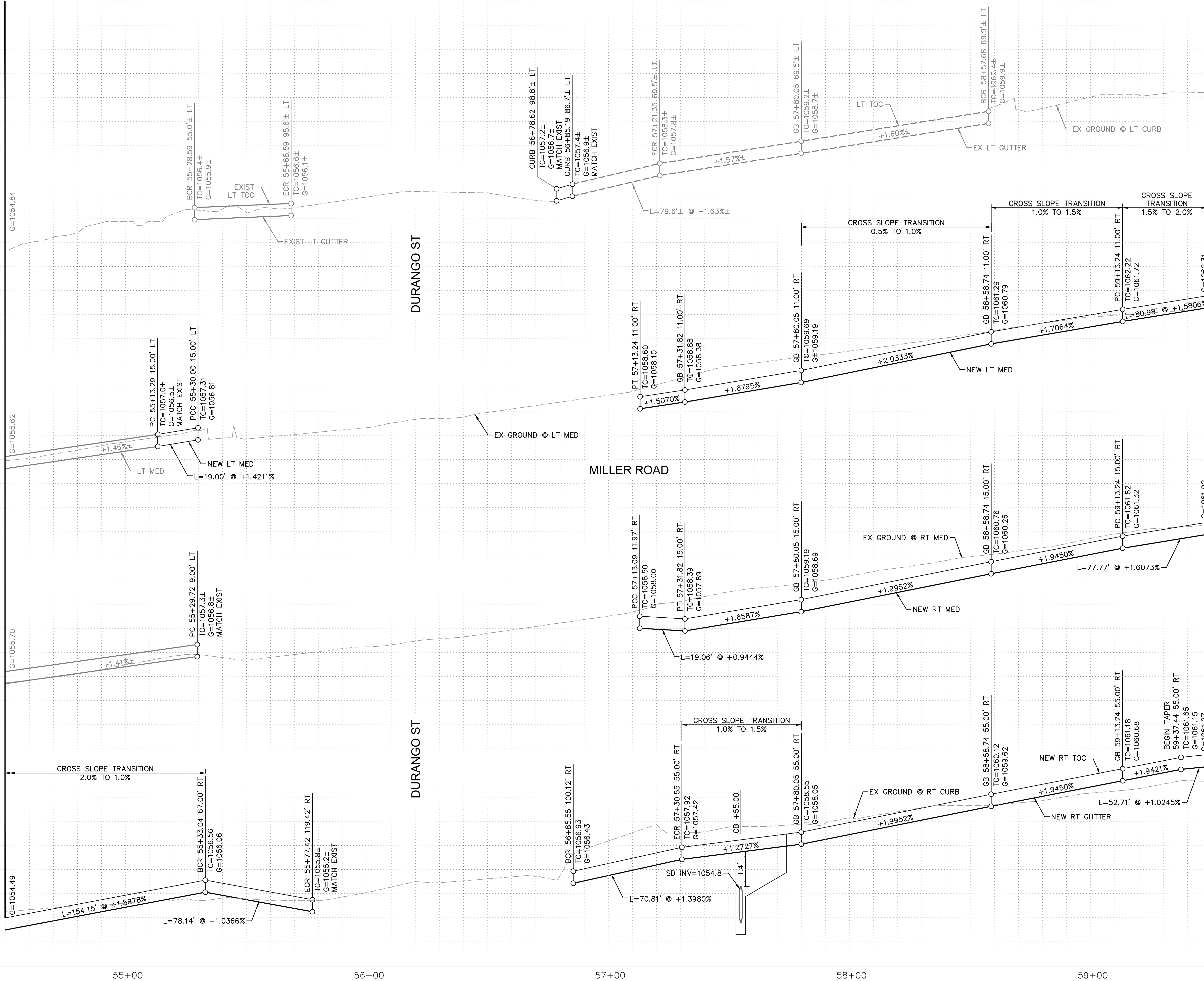
CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	TANGENT
C85	0.50'	1.41'	161°39'00"	3.10'
C86	59.50'	19.06'	18°21'00"	9.61'
C87	250.00'	80.98'	18°33'30"	40.85'
C88	250.00'	77.78'	17°49'30"	39.21'

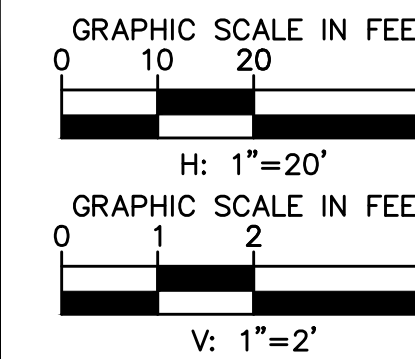
K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\2-Sheets\Roadway\191342026.dwg | 3/28/2024 | BOTS, LIAM

MATCHLINE STA. 54+50 SEE SHEET 23

MATCHLINE STA. 59+50 SEE SHEET 27



- NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 2. SEE SHEET 40 FOR INTERSECTION STAKING.



REVISIONS:

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PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PAVING PROFILE

ENGINEER INFORMATION
Kimley-Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

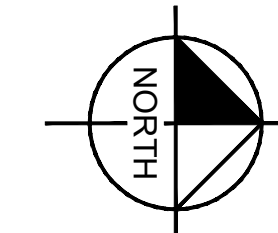
COB PERMITTING APPROVED SEAL
COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
DESIGN SEAL

ORIGINAL PLAN DATE
3/28/2024
PROJECT NUMBER
CIP #105260
LATEST REVISION DATE
SHEET NUMBER
25 OF 133

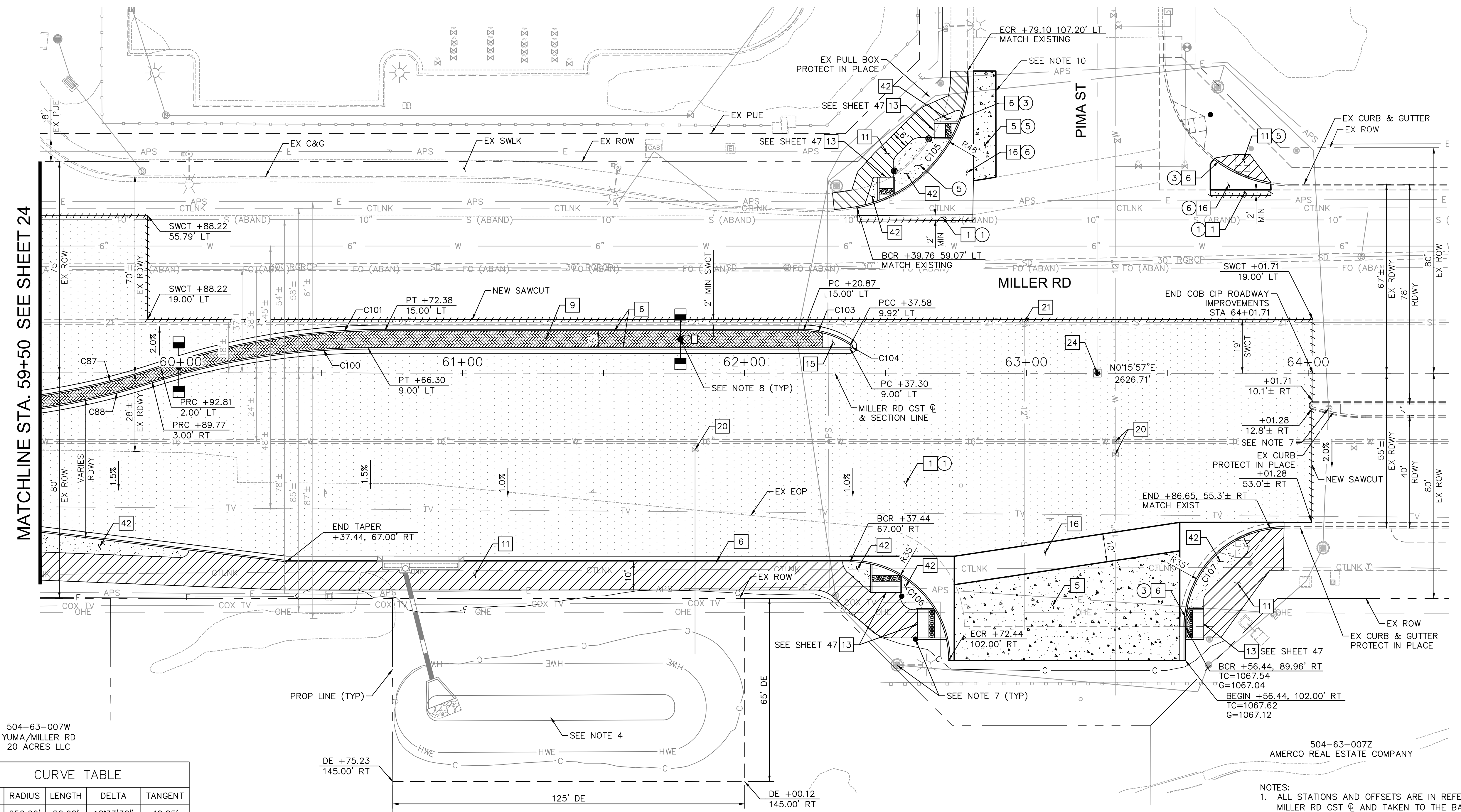
SUBMITTAL:
FINAL

COB PLAN TRACKING #
N/A
COB PERMIT #
ENGMJRCIP-21-003



APN 504-26-972
QUIKTRIP CORPORATION

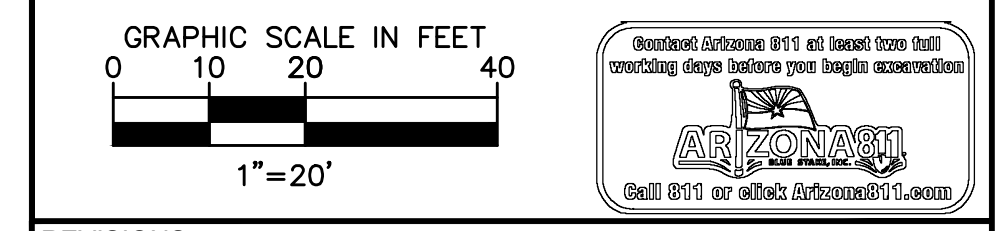
APN 504-26-128A
LOVES TRAVEL STOPS &
COUNTRY STORES INC



MATCHLINE STA. 59+50 SEE SHEET 24

CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 1	SY	4338
5	PCCP, 9" THICK, MODIFIED WITH FIBER MESH, CLASS A, MAG SECTION 725	SY	327
6	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6"	LF	412
9	MEDIAN PAVERS PER COB DTL 63206 SEE NOTE 11	SF	1643
10	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6", REVERSE PAN	LF	729
11	CONCRETE SIDEWALK PER MAG DTL 230	SF	4251
13	DIRECTIONAL CURB RAMP PER SPECIAL DETAIL	EA	5
15	MEDIAN NOSE TRANSITION PER MAG DTL 223, SEE DETAIL SHEET 4	SF	33
16	CONCRETE VALLEY GUTTER WITH FIBER MESH PER MAG DET 240, WIDTH PER PLAN	SF	640
20	ADJUST VALVE BOX & COVER PER MAG DTL 391-2, TYPE A	EA	3
21	ADJUST MANHOLE FRAME & COVER PER MAG DTL 422-1 & 422-2	EA	1
24	NEW SURVEY MONUMENT, MAG DTL 120 TYPE B	EA	1
42	DECOMPOSED GRANITE, 1" AGG. SIZE, 2" THICK, SADDLEBACK BROWN COLOR	SY	104

REMOVAL AND RELOCATION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	REMOVE AC PAVEMENT	SY	3761
3	REMOVE EXIST CURB & GUTTER AND SINGLE CURB	LF	140
5	REMOVE EXIST CONCRETE SIDEWALKS, DRIVEWAYS, AND SLABS	SF	1106
6	REMOVE EXIST VALLEY GUTTER	SF	653



REVISIONS:

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PLAN NAME
**MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PAVING PLAN**

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL
COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
DESIGN SEAL

ORIGINAL PLAN DATE
3/28/2024

LATEST REVISION DATE

PROJECT NUMBER
CIP #105260

SHEET NUMBER
26 OF 133

SUBMITTAL: **FINAL**

COB PLAN TRACKING #

COB PERMIT #

ENG/MJRCIP-21-1003

504-63-007W
YUMA/MILLER RD
20 ACRES LLC

CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C87	250.00'	80.98'	18°33'30"	40.85'
C88	250.00'	77.78'	17°49'30"	39.21'
C100	250.00'	77.77'	17°49'27"	39.20'
C101	250.00'	80.98'	18°33'30"	40.85'
C103	30.00'	17.72'	33°50'56"	9.13'
C104	0.50'	1.28'	146°09'04"	1.64'
C105	48.45'	67.48'	79°48'14"	40.51'
C107	34.93'	54.94'	90°07'18"	35.00'

504-63-007X
YUMA/MILLER RD
20 ACRES LLC

504-63-007Y
GLENDALE AVE/MILLER RD LLC

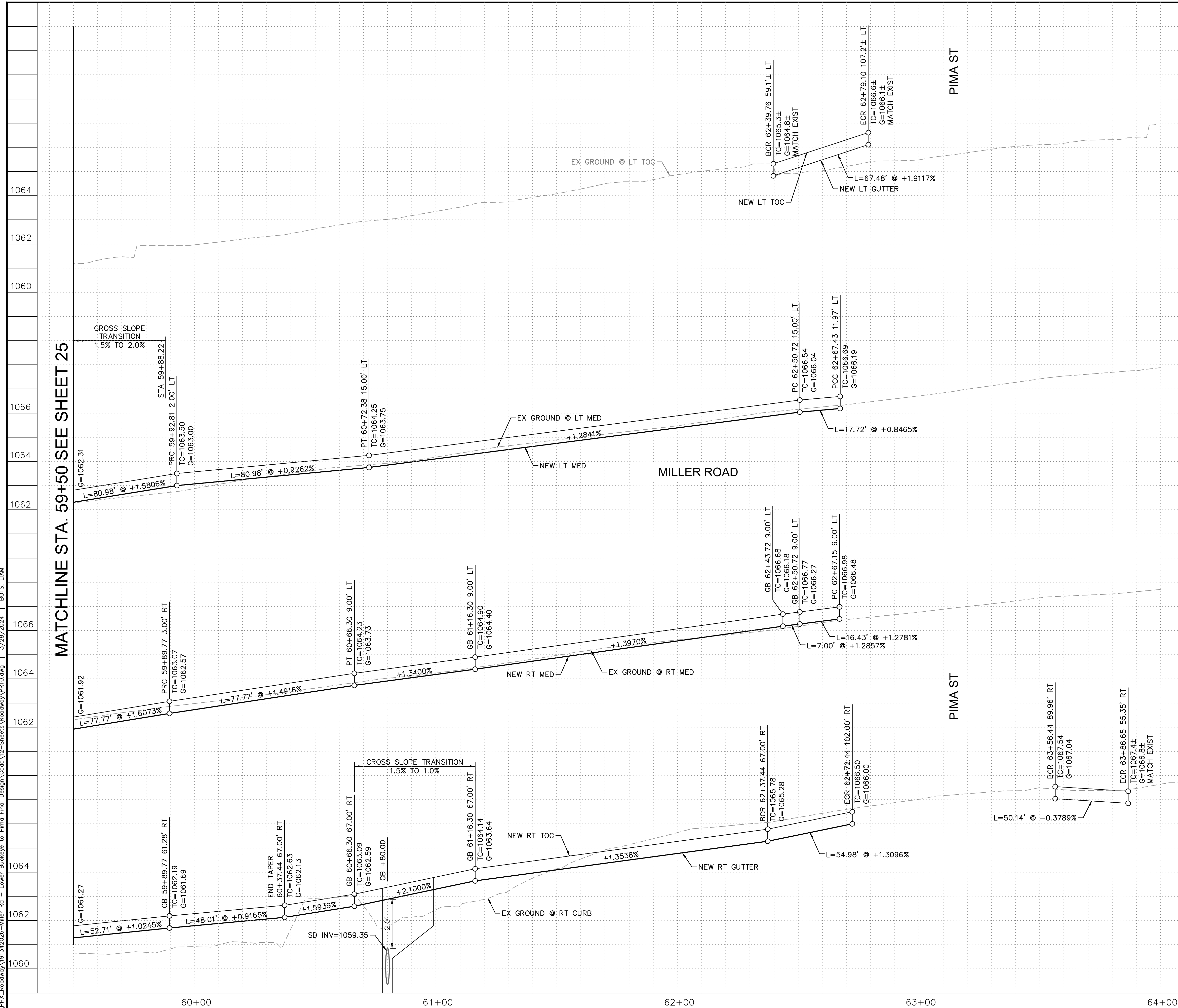
504-63-007Z
AMERCO REAL ESTATE COMPANY

- NOTES:
- ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 - SEE SHEET 27 FOR PAVING PROFILE.
 - SEE SHEET 42 FOR INTERSECTION STAKING DETAIL.
 - SEE SHEET 47 FOR SIDEWALK RAMP DETAILS.
 - SEE SHEET 54 FOR DRAINAGE PLANS.
 - SEE SHEETS 66 & 72 FOR SIGNING AND PAVEMENT MARKING PLANS.
 - SEE SHEET 92 FOR TRAFFIC SIGNAL PLANS.
 - SEE SHEET 103 FOR STREET LIGHTING PLANS.
 - SEE SHEET 127 FOR ITS PLANS.
 - CONTRACTOR SHALL REMOVE EXISTING CONCRETE PANELS AT THE NEAREST JOINT.
 - MEDIAN PAVERS SHALL BE COLORS OF "VEGAS BROWN AND CHARCOAL." PATTERN PER COB ARTERIAL GATEWAY GUIDE - APPENDIX G - HARDSCAPE TOOL: PAVERS - NATURE: MOUNTAIN PAVER THEME.

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\2-Sheets\Roadway\PL10.dwg | 3/28/2024 | BOTS, LAM

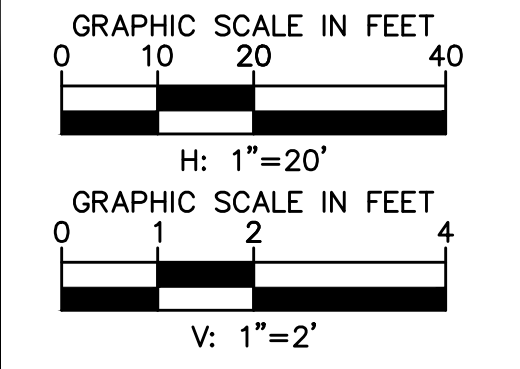
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MATCHLINE STA. 59+50 SEE SHEET 25



1068	
1066	
1064	
1062	
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1068	
1066	
1064	
1062	
1060	
1068	
1066	
1064	
1062	
1060	

NOTES:
 1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 2. SEE SHEET 42 FOR INTERSECTION STAKING.



REVISIONS:
1
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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS PAVING PROFILE

ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

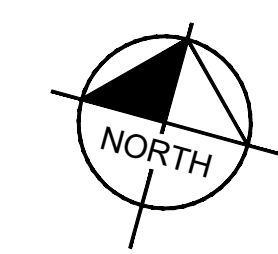
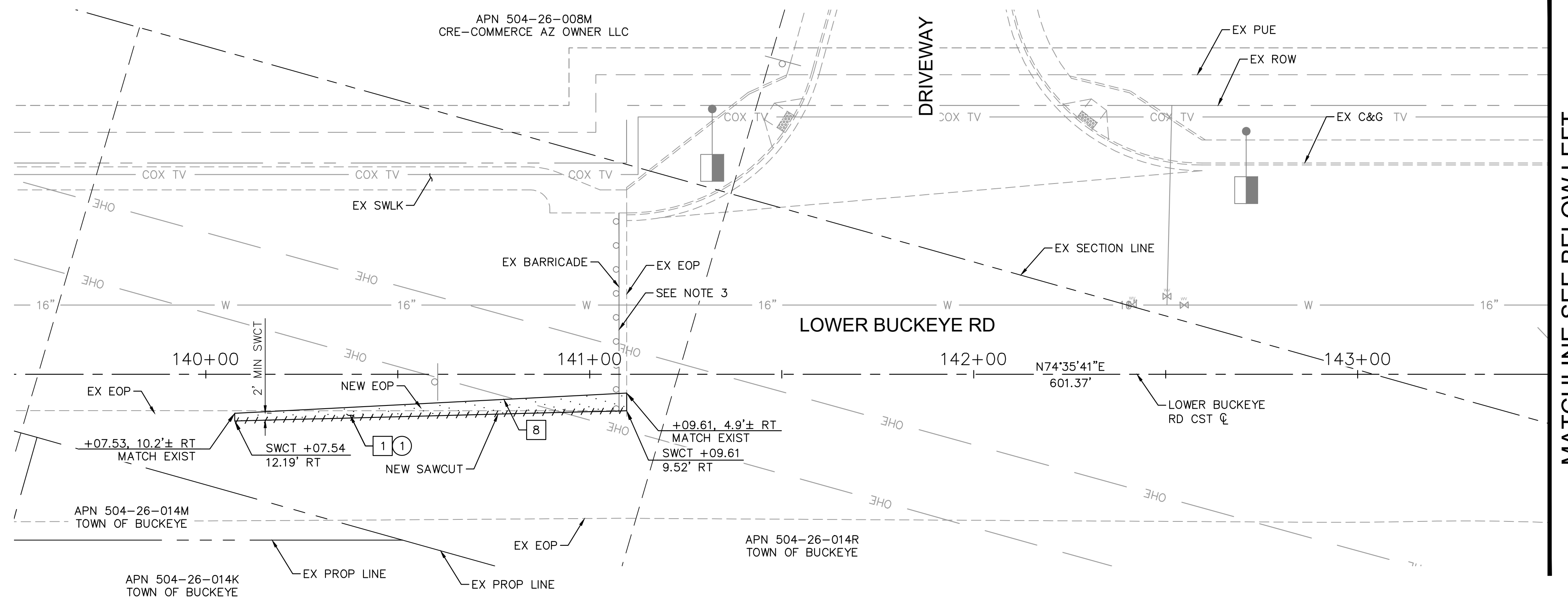
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL	DESIGN SEAL

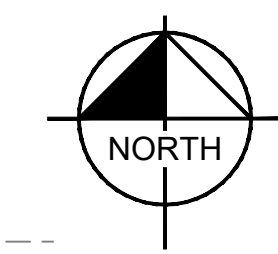
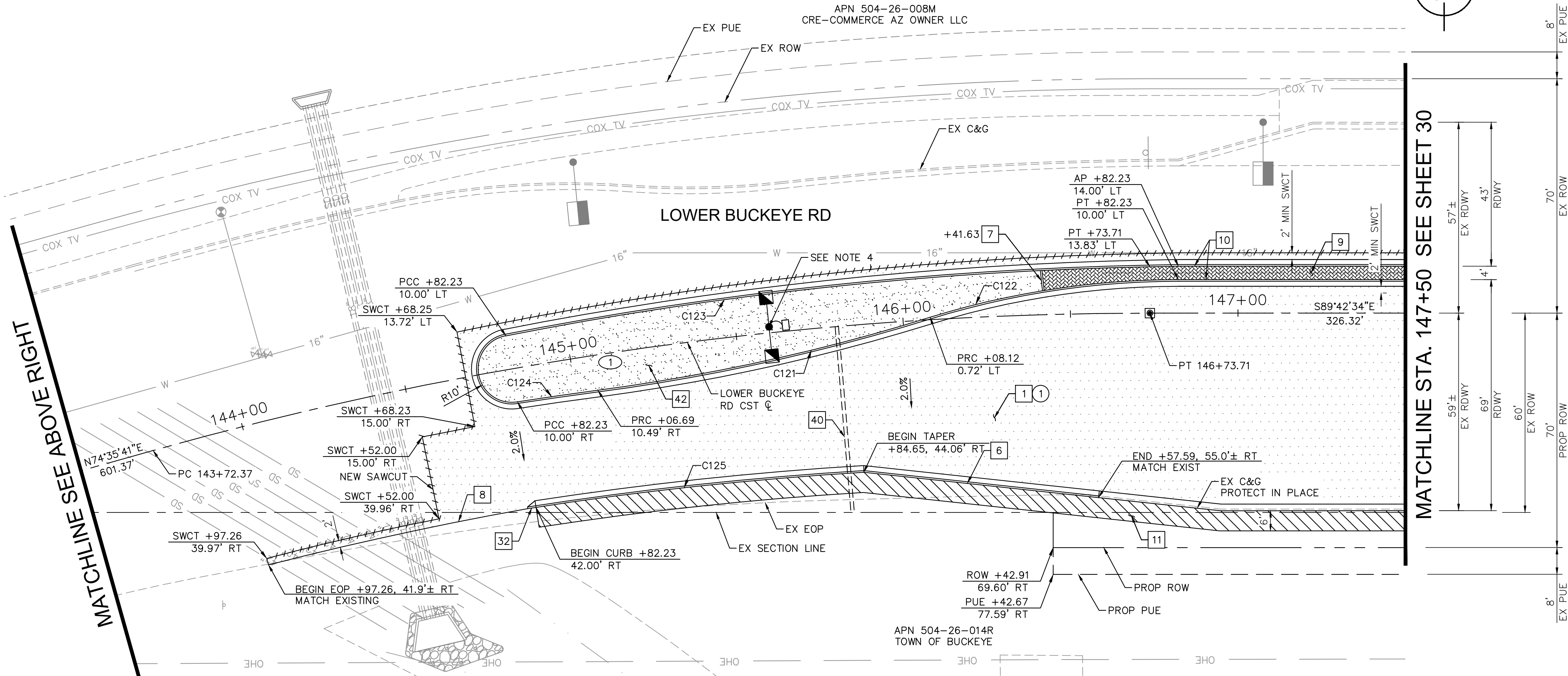
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 27 OF 133

SUBMITTAL: FINAL
 COB PLAN TRACKING #
 N/A
 COB PERMIT #
 ENGMJRCIP-21-1003

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\2-Sheets\Roadway\PL12.dwg | 3/28/2024 | BOTS, LAM



MATCHLINE SEE BELOW LEFT



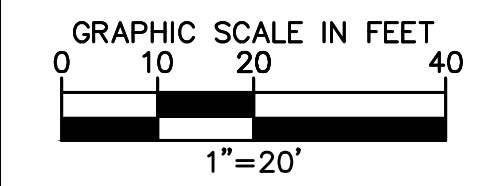
MATCHLINE STA. 147+50 SEE SHEET 30

MATCHLINE SEE ABOVE RIGHT

CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 1	SY	1595
6	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6"	LF	172
7	CONCRETE SINGLE CURB PER MAG DTL 222, TYPE A, H=6"	LF	6
8	ASPHALT PAVEMENT EDGE PER MAG DET 201, TYPE A	-	NPI
9	MEDIAN PAVERS PER COB DTL 63206 SEE NOTE 5	SF	455
10	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6", REVERSE PAN	LF	572
11	CONCRETE SIDEWALK PER MAG DTL 230	SF	1560
32	CURB & GUTTER TERMINATION, SEE DET SHEET 4	EA	1
40	SCHEDULE 80 PVC 6" IRRIGATION SLEEVE, SPEARS OR EQUAL, SEE DETAIL SHEET 7	LF	55
42	DECOMPOSED GRANITE, 1" AGG. SIZE, 2" THICK, SADDLEBACK BROWN COLOR	SY	316

REMOVAL AND RELOCATION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	REMOVE AC PAVEMENT	SY	2210

- NOTES:
- ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE LOWER BUCKEYE RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 - SEE SHEET 29 FOR PAVING PROFILE.
 - SEE SHEET 67 & 73 FOR SIGNING & PAVEMENT MARKING PLANS.
 - SEE SHEET 104 FOR STREET LIGHTING PLANS.
 - MEDIAN PAVERS SHALL BE COLORS OF "VEGAS BROWN AND CHARCOAL" PATTERN PER COB ARTERIAL GATEWAY GUIDE - APPENDIX G - HARDSCAPE TOOL: PAVERS - NATURE: MOUNTAIN PAVER THEME.



REVISIONS:	
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PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 PAVING PLAN**

ENGINEER INFORMATION
Kimley-Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500
 COB PERMITTING APPROVED SEAL
 COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL	DESIGN SEAL
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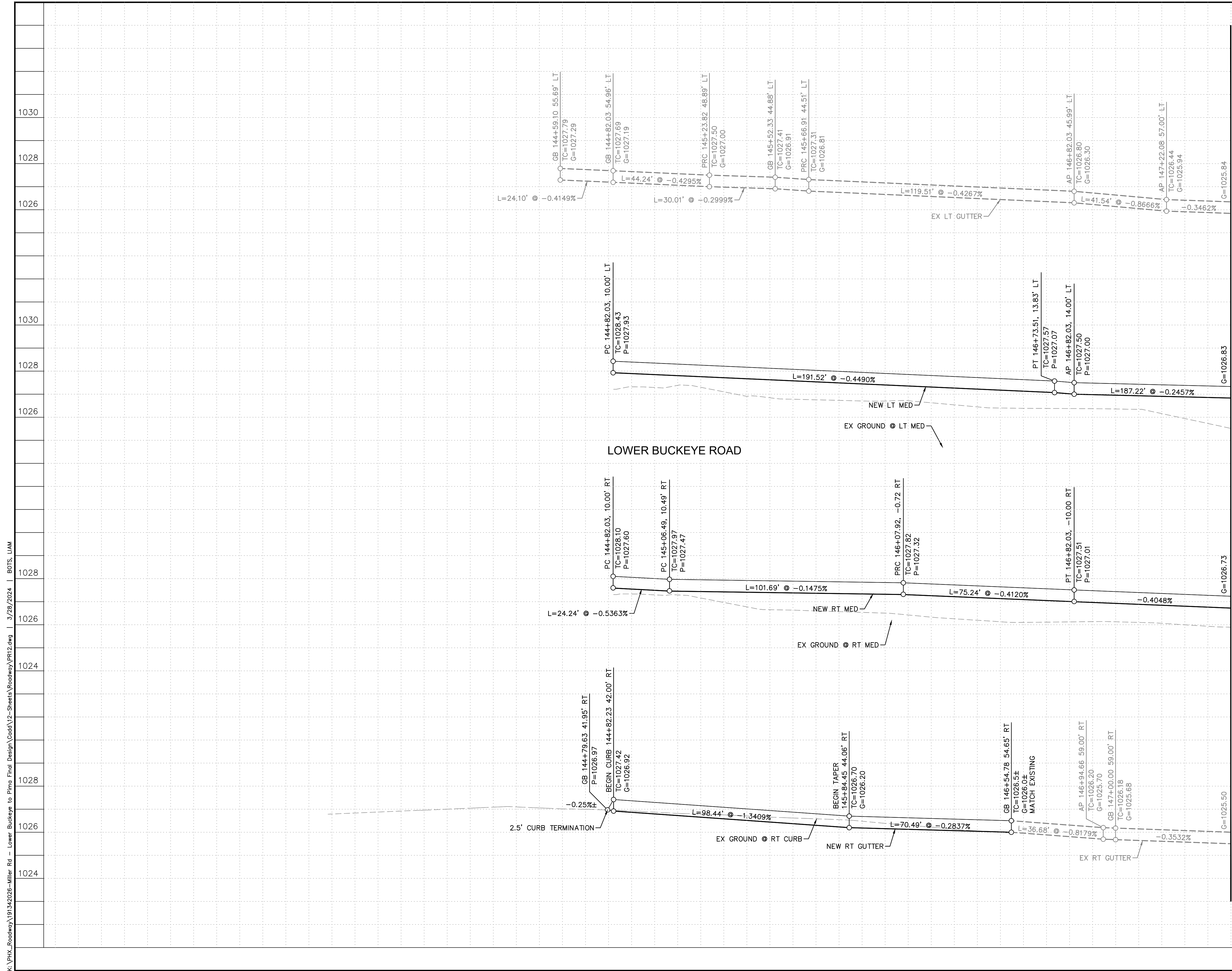
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 28 OF 133

COB PLAN TRACKING # N/A	COB PERMIT # ENG/MJRC/P-21-003
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SUBMITTAL: FINAL

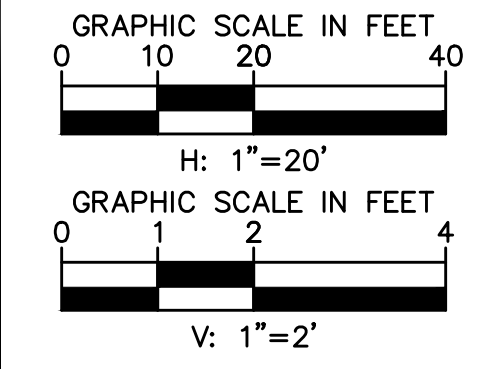
CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C121	600.00'	101.68'	9°42'37"	50.96'
C122	250.00'	75.24'	17°14'40"	37.91'
C123	1110.14'	193.60'	9°59'31"	97.05'
C124	1090.82'	24.24'	1°16'23"	12.12'
C125	1058.85'	100.94'	5°27'43"	50.51'

ALIGNMENT CURVE DATA			
CURVE NO.	R	L	Δ
1	1100.00'	301.34'	15°41'45"



MATCHLINE STA. 147+50 SEE SHEET 31

NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE LOWER BUCKEYE RD CST & AND TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.



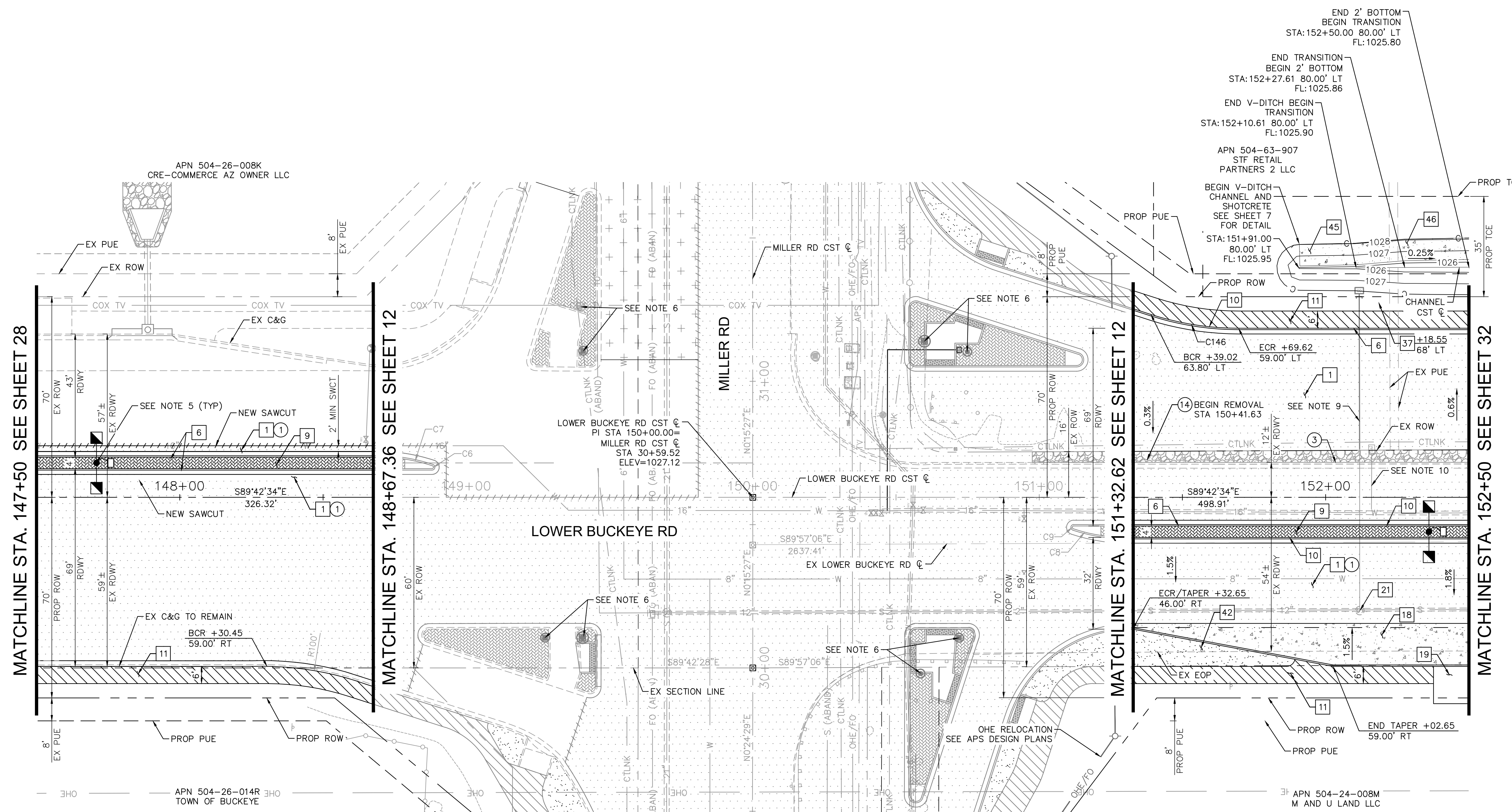
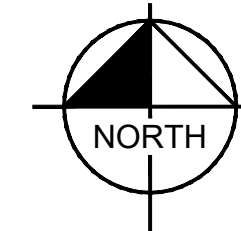
REVISIONS:	
1	
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PLAN NAME: MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PAVING PROFILE

ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500		SUBMITTAL: FINAL
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	
AS-BUILT SEAL	DESIGN SEAL 	
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	
PROJECT NUMBER CIP #105260	SHEET NUMBER 29 OF 133	

COB PLAN TRACKING #
N/A
COB PERMIT #
ENGMJRPCP-21-003

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\12-Sheets\Roadway\PL13.dwg | 3/28/2024 | BOTS, LHM



MATCHLINE STA. 147+50 SEE SHEET 28

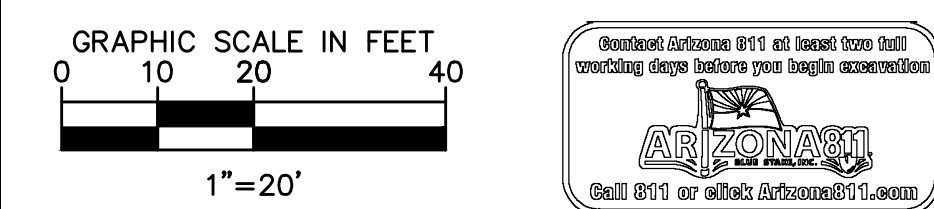
MATCHLINE STA. 148+67.36 SEE SHEET 12

MATCHLINE STA. 151+32.62 SEE SHEET 12

MATCHLINE STA. 152+50 SEE SHEET 32

CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 1	SY	2107
6	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6"	LF	118
9	MEDIAN PAVERS PER COB DTL 63206 SEE NOTE 11	SF	939
10	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6", REVERSE PAN	LF	470
11	CONCRETE SIDEWALK PER MAG DTL 230	SF	2092
18	BUS BAY TYPE 1 PER COP DTL P1256-1	EA	1
19	CONCRETE BUS PAD PER COP DTL P1260	EA	1
21	ADJUST MANHOLE FRAME & COVER PER MAG DTL 422-1 & 422-2	EA	1
37	WATER METER PER COB DTL 31330	EA	1
42	DECOMPOSED GRAINTE, 1" AGG. SIZE, 2" THICK, SADDLEBACK BROWN COLOR	SY	48
45	2" THICK SHOTCRETE PER ADOT SPECIFICATION SECTION 912, SEE DETAIL ON SHEET 7	SY	47
46	CHANNEL EXCAVATION, SEE DETAIL ON SHEET 7	SY	44

REMOVAL AND RELOCATION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	REMOVE AC PAVEMENT	SY	1822
3	REMOVE EXIST CURB & GUTTER AND SINGLE CURB	LF	118
14	REMOVE EXIST CONCRETE LINED DITCH, BACKFILL & COMPACT	LF	117



REVISIONS:	
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PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 PAVING PLAN**

ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	SUBMITTAL: FINAL
AS-BUILT SEAL	DESIGN SEAL	
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	COB PLAN TRACKING #
PROJECT NUMBER CIP #105260	SHEET NUMBER 30 OF 133	COB PERMIT # ENGMRCP-21-1003

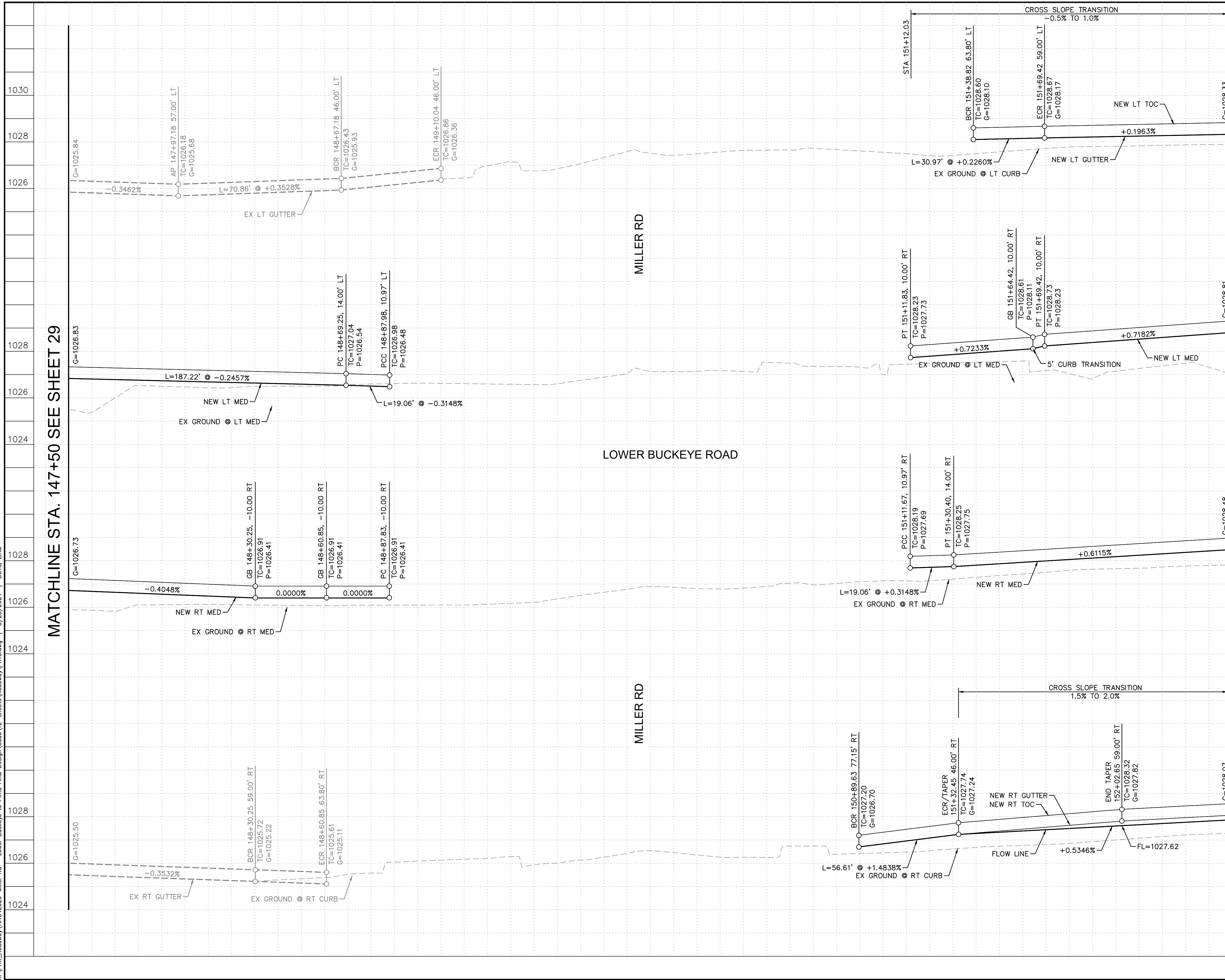
- NOTES:
- ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE LOWER BUCKEYE RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 - SEE SHEET 31 FOR PAVING PROFILE.
 - SEE SHEET 38 FOR INTERSECTION STAKING DETAIL.
 - SEE SHEET 45 FOR SIDEWALK RAMP DETAILS.
 - SEE SHEETS 68 & 73 FOR SIGNING AND PAVEMENT MARKING PLANS.
 - SEE SHEET 84 FOR TRAFFIC SIGNAL PLANS.
 - SEE SHEET 105 FOR STREET LIGHTING PLANS.
 - SEE SHEET 124 FOR ITS PLANS.
 - SEE SHEETS 68 & 73 FOR SEWER LATERAL PLANS.
 - SEE SHEET 130 FOR WATER PLANS.
 - MEDIAN PAVERS SHALL BE COLORS OF "VEGAS BROWN AND CHARCOAL." PATTERN PER COB ARTERIAL GATEWAY GUIDE - APPENDIX G - HARDSCAPE TOOL: PAVERS - NATURE: MOUNTAIN PAVER THEME.

CURVE TABLE				
CURVE	RADIUS	LENGTH	DELTA	TANGENT
C6	0.50'	1.41'	161°39'01"	3.10'
C7	59.50'	19.06'	18°20'59"	9.61'
C8	59.50'	19.06'	18°20'59"	9.61'
C9	0.50'	1.41'	161°39'01"	3.10'
C146	100.00'	31.09'	17°48'57"	15.67'

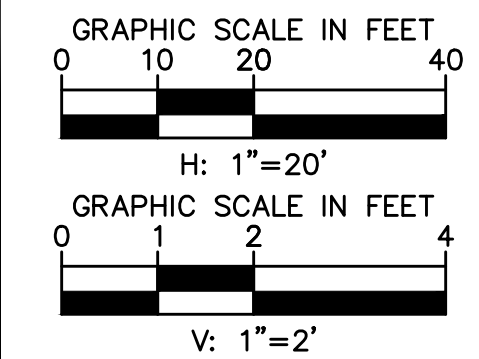
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MATCHLINE STA. 147+50 SEE SHEET 29

MATCHLINE STA. 152+50 SEE SHEET 33



- NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE LOWER BUCKEYE RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 2. SEE SHEET 38 FOR INTERSECTION STAKING PLAN.



REVISIONS:

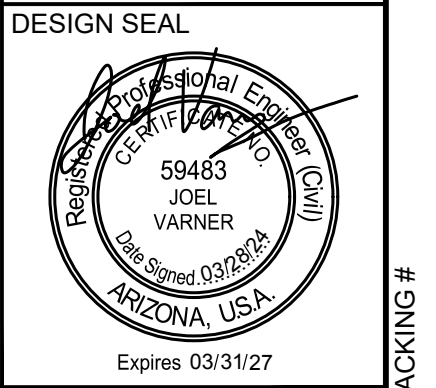
- 1
- 2
- 3

PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PAVING PROFILE

ENGINEER INFORMATION
Kimley-Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL
COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
DESIGN SEAL



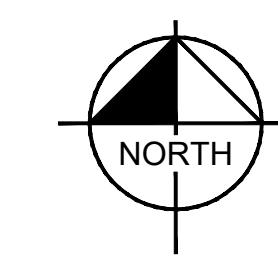
ORIGINAL PLAN DATE
3/28/2024

LATEST REVISION DATE
PROJECT NUMBER
CIP #105260

SHEET NUMBER
31 OF 133

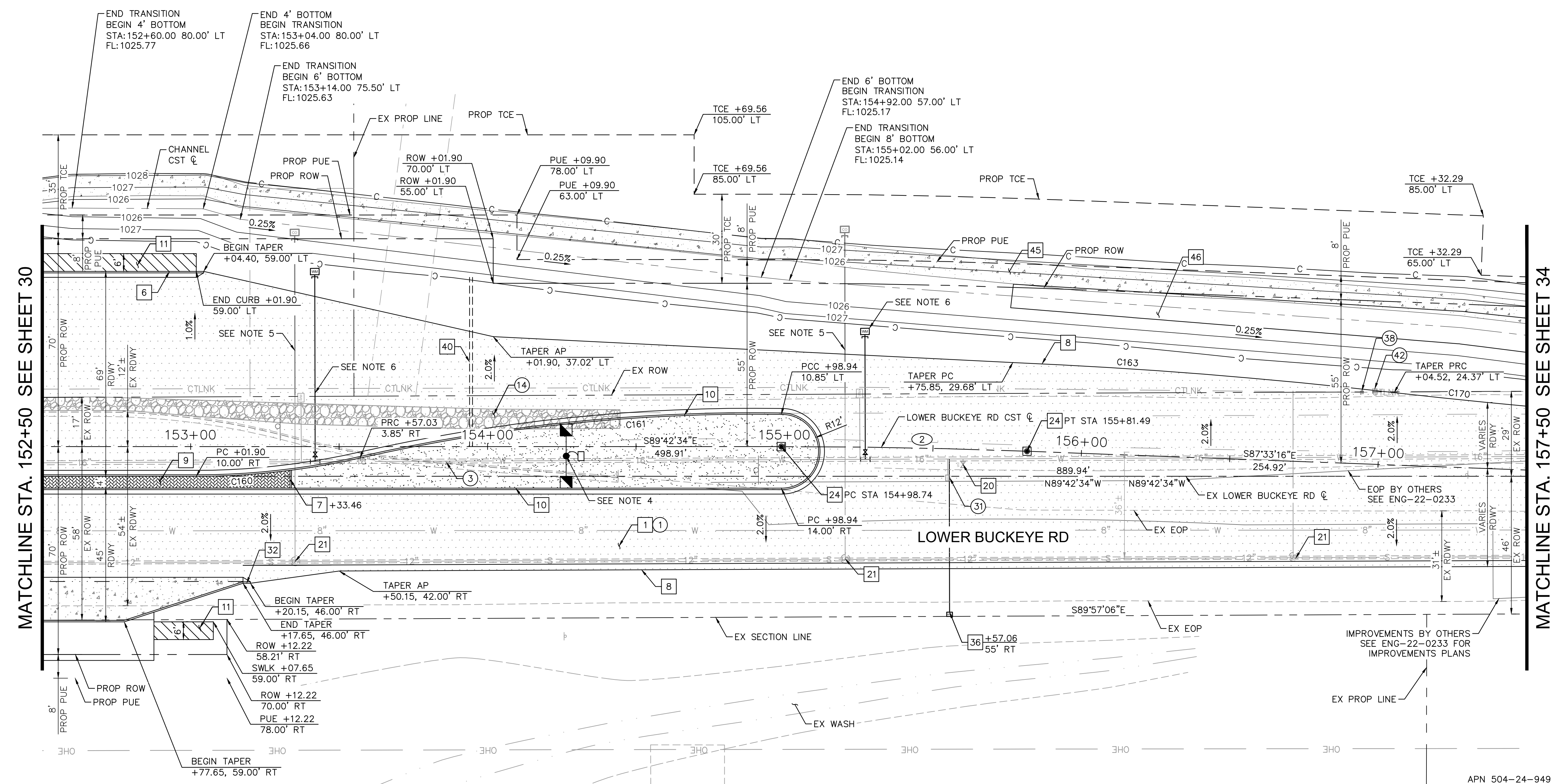
SUBMITTAL:
FINAL

COB PLAN TRACKING #
N/A
COB PERMIT #
ENGMJRPCP-21-003



APN 504-63-907
STF RETAIL PARTNERS 2 LLC

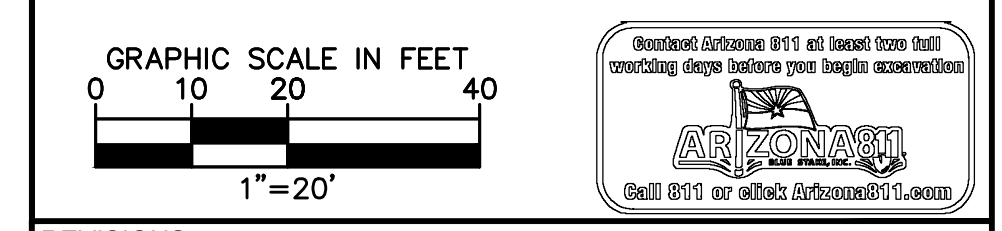
APN 504-63-906A
LDV VENTURES LLC



MATCHLINE STA. 152+50 SEE SHEET 30

MATCHLINE STA. 157+50 SEE SHEET 34

CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 1	SY	4110
6	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6"	LF	155
7	CONCRETE SINGLE CURB PER MAG DTL 222, TYPE A, H=6"	LF	6
8	ASPHALT PAVEMENT EDGE PER MAG DTL 201, TYPE A	-	NPI
9	MEDIAN PAVERS PER COB DTL 63206 SEE NOTE 7	SF	355
10	CONCRETE CURB & GUTTER, MAG DTL 220-1, TYPE 'A', H=6", REVERSE PAN	LF	540
11	CONCRETE SIDEWALK PER MAG DTL 230	SF	431
20	ADJUST VALVE BOX & COVER PER MAG DTL 391-2	EA	1
21	ADJUST MANHOLE FRAME & COVER PER MAG DTL 422-1 & 422-2	EA	3
24	NEW SURVEY MONUMENT, MAG DTL 120, TYPE B	EA	2
32	CURB & GUTTER TERMINATION, SEE DETAIL SHEET 7	EA	2
36	2" AIR RELEASE VALVE PER COB DTL 31340-1 & 31340-2	EA	1
37	WATER METER PER COB DTL 31330	EA	2
40	SCHEDULE 80 PVC 6" IRRIGATION SLEEVE, SPEARS OR EQUAL	LF	57
45	2" THICK SHOTCRETE PER ADOT SPECIFICATION SECTION 912, SEE DETAIL ON SHEET 7	SY	420
46	CHANNEL EXCAVATION, SEE DETAIL ON SHEET 7	SY	821



REVISIONS:

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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS PAVING PLAN

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500
COB PERMITTING APPROVED SEAL
COB ENGINEERING APPROVED SEAL

REMOVAL AND RELOCATION NOTES	
NO	DESCRIPTION
1	REMOVE AC PAVEMENT
3	REMOVE EXIST CURB & GUTTER AND SINGLE CURB
14	REMOVE EXIST CONCRETE LINED DITCH, BACKFILL & COMPACT
31	REMOVE AIR RELEASE VALVE
38	RELOCATE PEDESTAL (BY CTL)
42	RELOCATE UTILITIES (BY APS)

CURVE	RADIUS	LENGTH	DELTA	TANGENT
C160	250.00'	55.59'	12°44'22"	27.91'
C161	600.00'	143.01'	13°39'22"	71.84'
C163	1808.00'	128.88'	4°05'04"	64.47'
C170	1792.00'	291.97'	9°20'06"	146.31'
②	2200.00'	82.75'	2°09'18"	41.38'

APN 504-24-008M
M AND U LAND LLC

- NOTES:
- ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE LOWER BUCKEYE RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 - SEE SHEET 33 FOR PAVING PROFILE.
 - SEE SHEETS 67 & 73 FOR SIGNING AND PAVEMENT MARKING PLANS.
 - SEE SHEET 108 FOR STREET LIGHTING PLANS.
 - SEE SHEET 130 FOR SEWER LATERAL PLANS.
 - SEE SHEET 132 FOR WATER PLAN.
 - MEDIAN PAVERS SHALL BE COLORS OF "VEGAS BROWN AND CHARCOAL." PATTERN PER COB ARTERIAL GATEWAY GUIDE - APPENDIX G - HARDSCAPE TOOL: PAVERS - NATURE: MOUNTAIN PAVER THEME.
 - ALL WATERLINES ON THIS SHEET SHALL BE CONSTRUCTED WITH RESTRAINED JOINTS.
 - WHEN CONNECTING TO OR REPLACING EXISTING WATER MAINS, EXTREME CAUTION SHOULD BE TAKEN TO ASSURE MINIMUM DISRUPTION AND DOWN TIME TO EXISTING CUSTOMERS. IN MOST CASES, MAXIMUM DOWN TIME WILL BE EIGHT HOURS. IN EXTREME CASES, MAXIMUM ALLOWABLE DOWN TIME WILL BE TWELVE HOURS. ALL OUTAGES SHALL BE COORDINATED WITH THE CITY WATER RESOURCES DEPARTMENT.

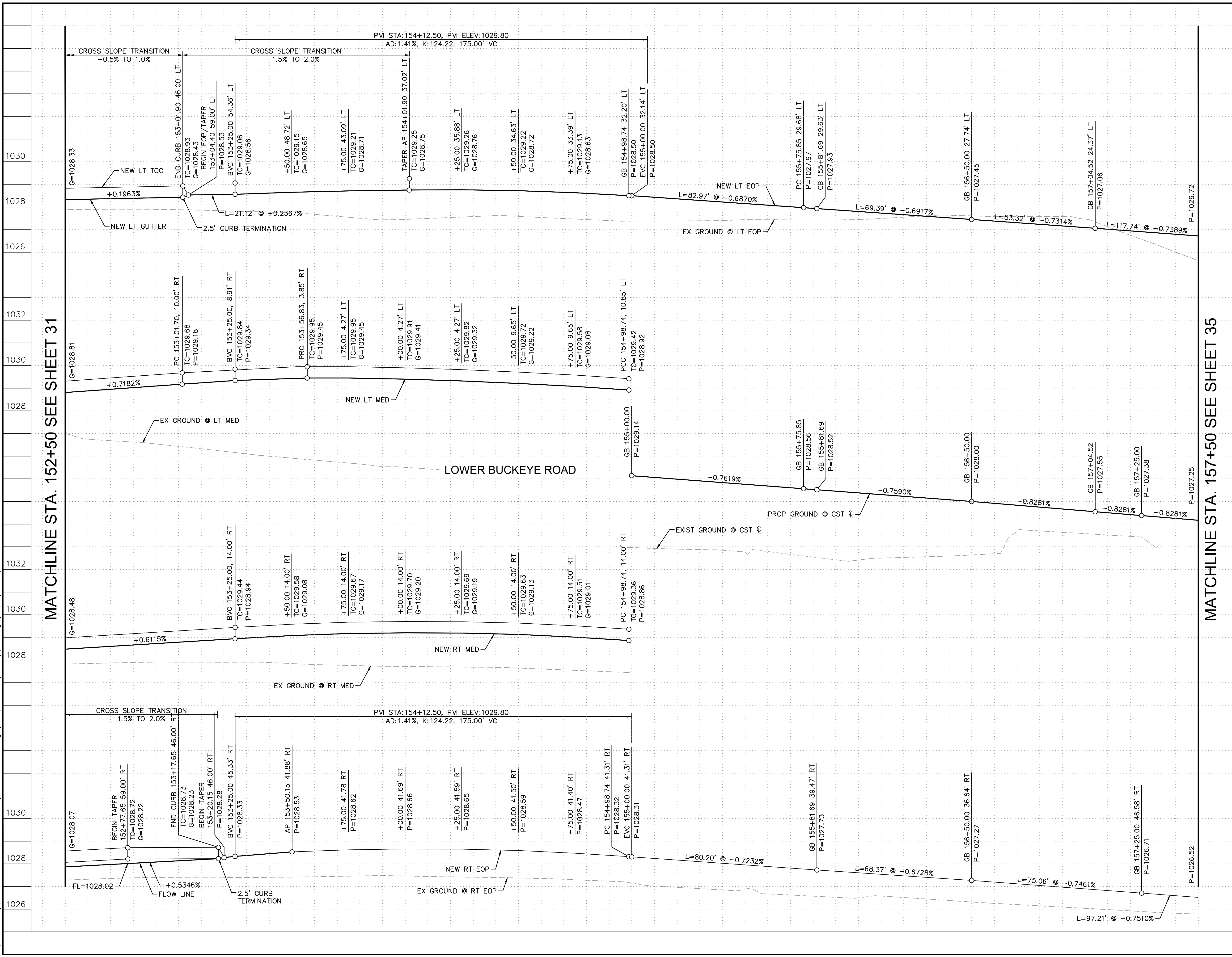
APN 504-24-949
RUC HOLDINGS ULC/ETAL

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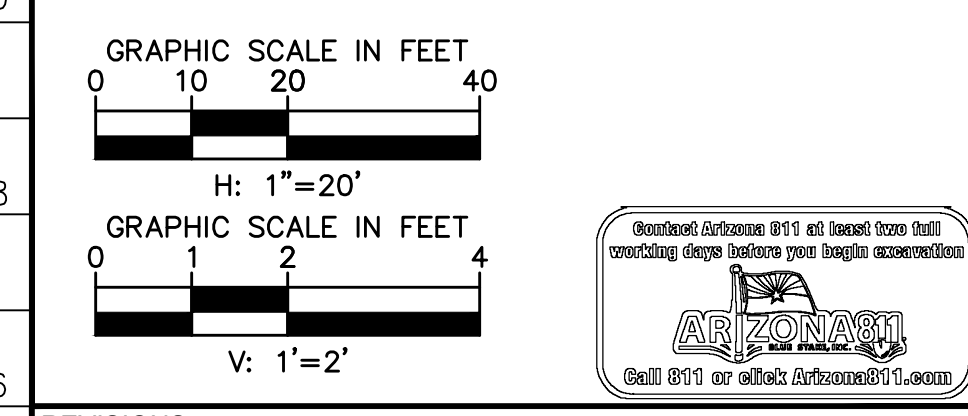
SUBMITTAL: FINAL
COB PLAN TRACKING #
COB PERMIT #
ENG\MJRCIP-21-1003

MATCHLINE STA. 152+50 SEE SHEET 31

MATCHLINE STA. 157+50 SEE SHEET 35



NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE LOWER BUCKEYE RD CST & TAKEN TO THE BACK OF CURB OR THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.



REVISIONS:	
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PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PAVING PROFILE

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL
COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
DESIGN SEAL

ORIGINAL PLAN DATE
3/28/2024

LATEST REVISION DATE

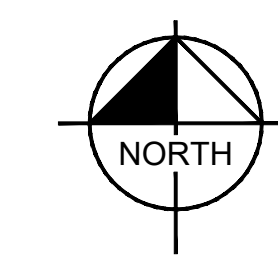
PROJECT NUMBER
CIP #105260

SHEET NUMBER
33 OF 133

SUBMITTAL:
FINAL

COB PLAN TRACKING #
N/A

COB PERMIT #
ENGMJRPCP-21-003



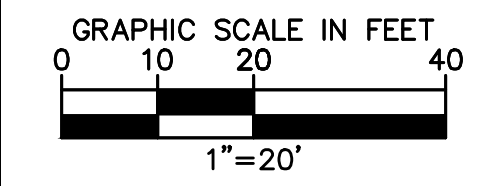
CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY
1	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 1	SY	2082
8	ASPHALT PAVEMENT EDGE PER MAG DTL 201, TYPE A	-	NPI
21	ADJUST MANHOLE FRAME & COVER PER MAG DTL 422-1 & 422-2	EA	1
24	NEW SURVEY MONUMENT, MAG DTL 120, TYPE B	EA	1
43	GROUTED RIPRAP D50=6", T=12"	CY	17
45	2" THICK SHOTCRETE PER ADOT SPECIFICATION SECTION 912, SEE DETAIL ON SHEET 7	SY	157
46	CHANNEL EXCAVATION, SEE DETAIL ON SHEET 7	SY	263

REMOVAL AND RELOCATION NOTES

NO	DESCRIPTION	UNIT	QTY
1	REMOVE AC PAVEMENT	SY	1442
14	REMOVE EXIST CONCRETE LINED DITCH, BACKFILL & COMPACT	LF	130

- NOTES:
- ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE LOWER BUCKEYE RD CST & AND TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 - SEE SHEET 35 FOR PAVING PROFILE.
 - SEE SHEETS 67 & 73 FOR SIGNING AND PAVEMENT MARKING PLANS.



REVISIONS:

- 1
- 2
- 3

PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 PAVING PLAN**

ENGINEER INFORMATION
Kimley-Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
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AS-BUILT SEAL	DESIGN SEAL
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ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 34 OF 133

SUBMITTAL: **FINAL**

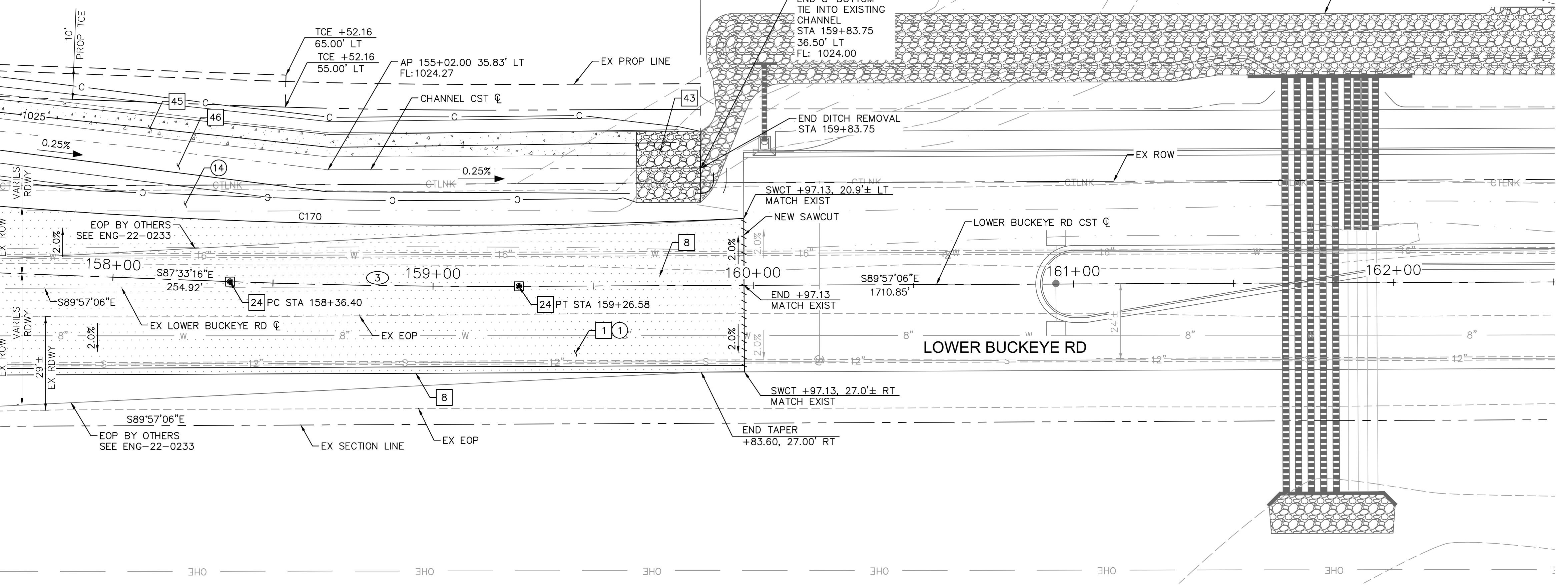
COB PLAN TRACKING #
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ENG/MJ/RCP-21-003

MATCHLINE STA. 157+50 SEE SHEET 32

APN 504-63-906A
LDV VENTURES LLC

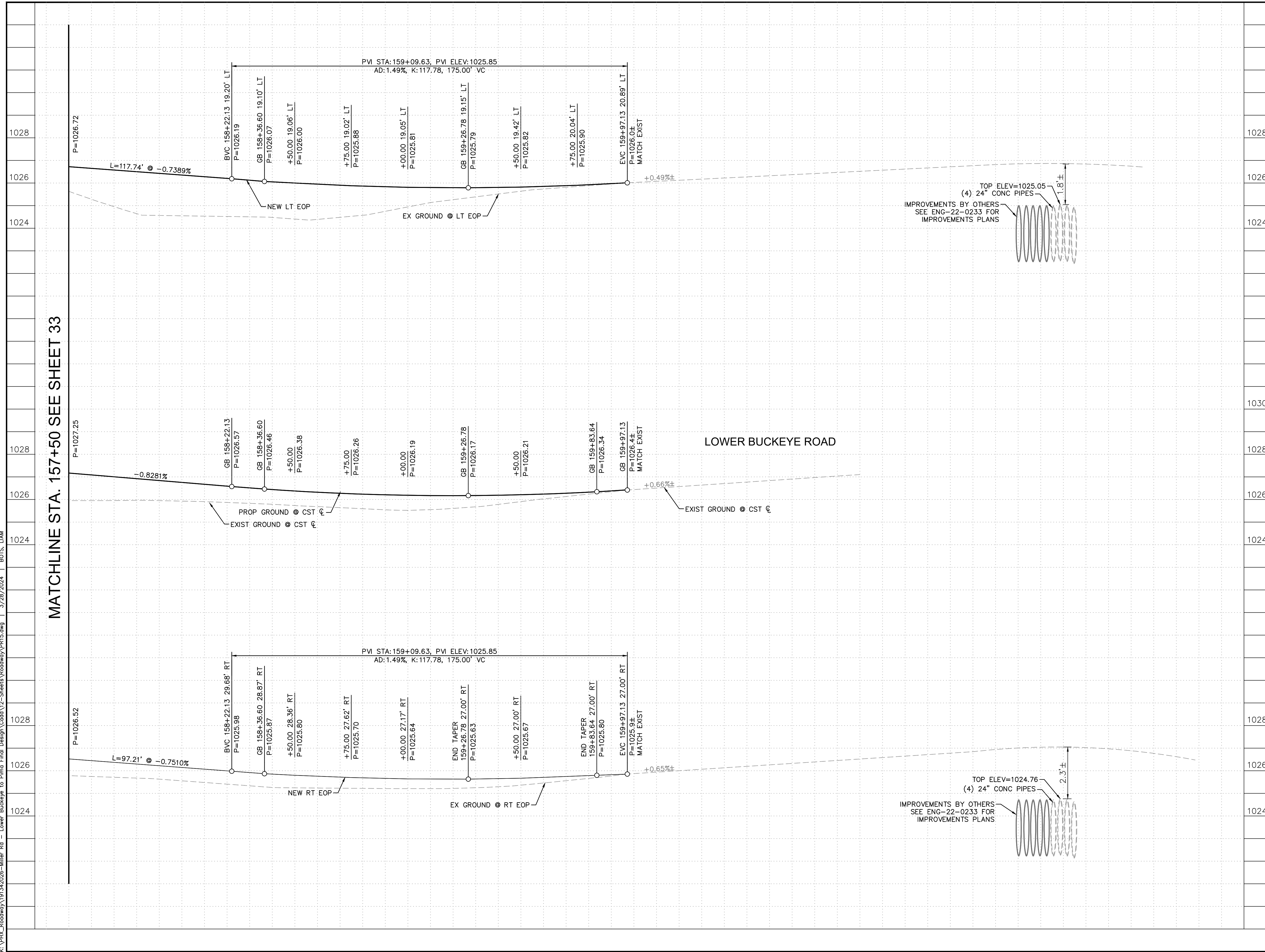
APN 504-63-137W
SUSAN RANCH LLC

APN 504-24-949
RUC HOLIDINGS ULC/ETAL

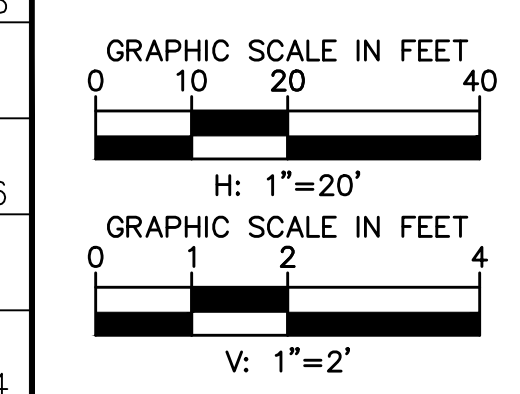


CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C170	1792.00'	291.97'	S87°49'19"E	291.64'	9°20'06"	146.31'
③	2200.00'	90.18'	S88°46'38"E	90.17'	2°20'55"	45.09'

MATCHLINE STA. 157+50 SEE SHEET 33

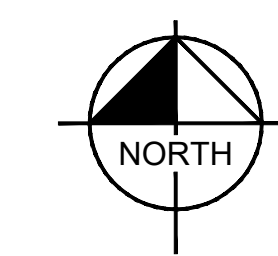
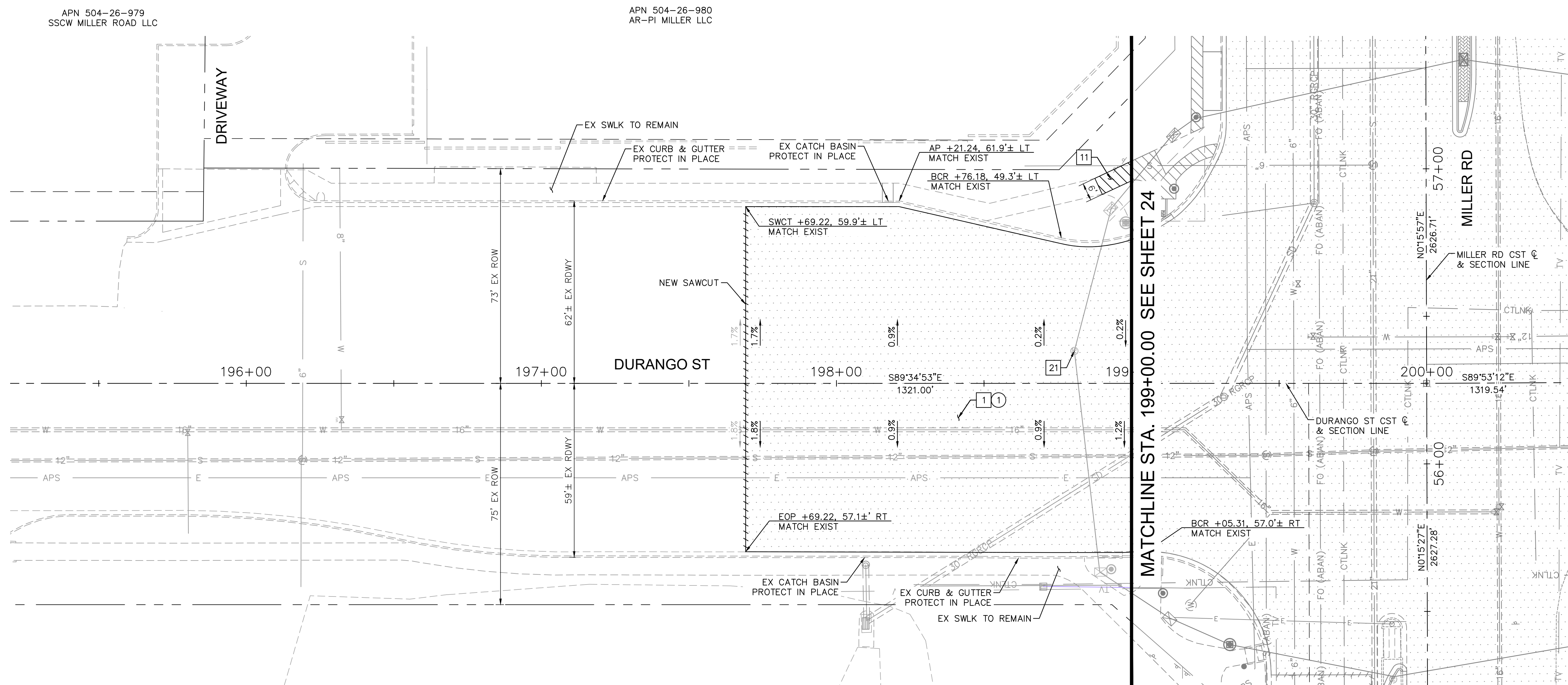


NOTES:
 1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE LOWER BUCKEYE RD CST ☉ AND TAKEN TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.



REVISIONS:	
1	
2	
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PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS PAVING PROFILE	
ENGINEER INFORMATION Kimley-Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
1028	COB PERMITTING APPROVED SEAL
1028	COB ENGINEERING APPROVED SEAL
1026	AS-BUILT SEAL
1026	DESIGN SEAL
1024	ORIGINAL PLAN DATE 3/28/2024
1024	LATEST REVISION DATE
1024	PROJECT NUMBER CIP #105260
1024	SHEET NUMBER 35 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING #	
COB PERMIT #	
ENGMJRCIP-21-003	

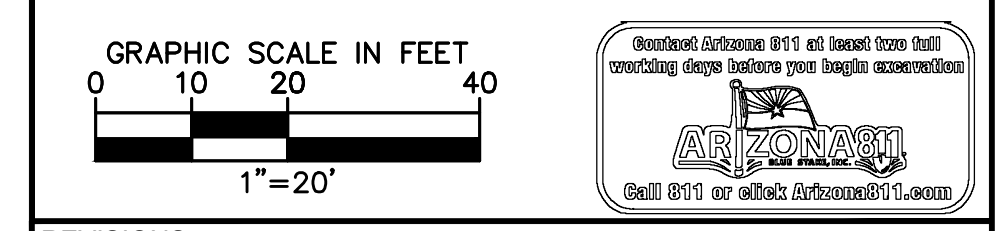
K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Code\2-Sheets\Roadway\PL16.dwg | 3/28/2024 | BOTS, LAM



CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	ASPHALTIC CONCRETE PAVEMENT PER STRUCTURAL SECTION 1	SY	1629
11	CONCRETE SIDEWALK PER MAG DTL 230	SF	74
21	ADJUST MANHOLE FRAME & COVER PER MAG DTL 422-1 & 422-2	EA	1

REMOVAL AND RELOCATION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	REMOVE AC PAVEMENT	SY	1629

- NOTES:
- ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE LOWER BUCKEYE RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 - SEE SHEET 37 FOR PAVING PROFILE.
 - SEE SHEET 46 FOR SIDEWALK RAMP DETAILS.
 - SEE SHEETS 68 FOR PAVEMENT MARKING PLANS.

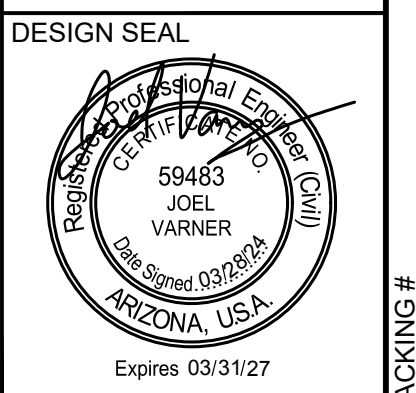


REVISIONS:	
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PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 PAVING PLAN**

ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

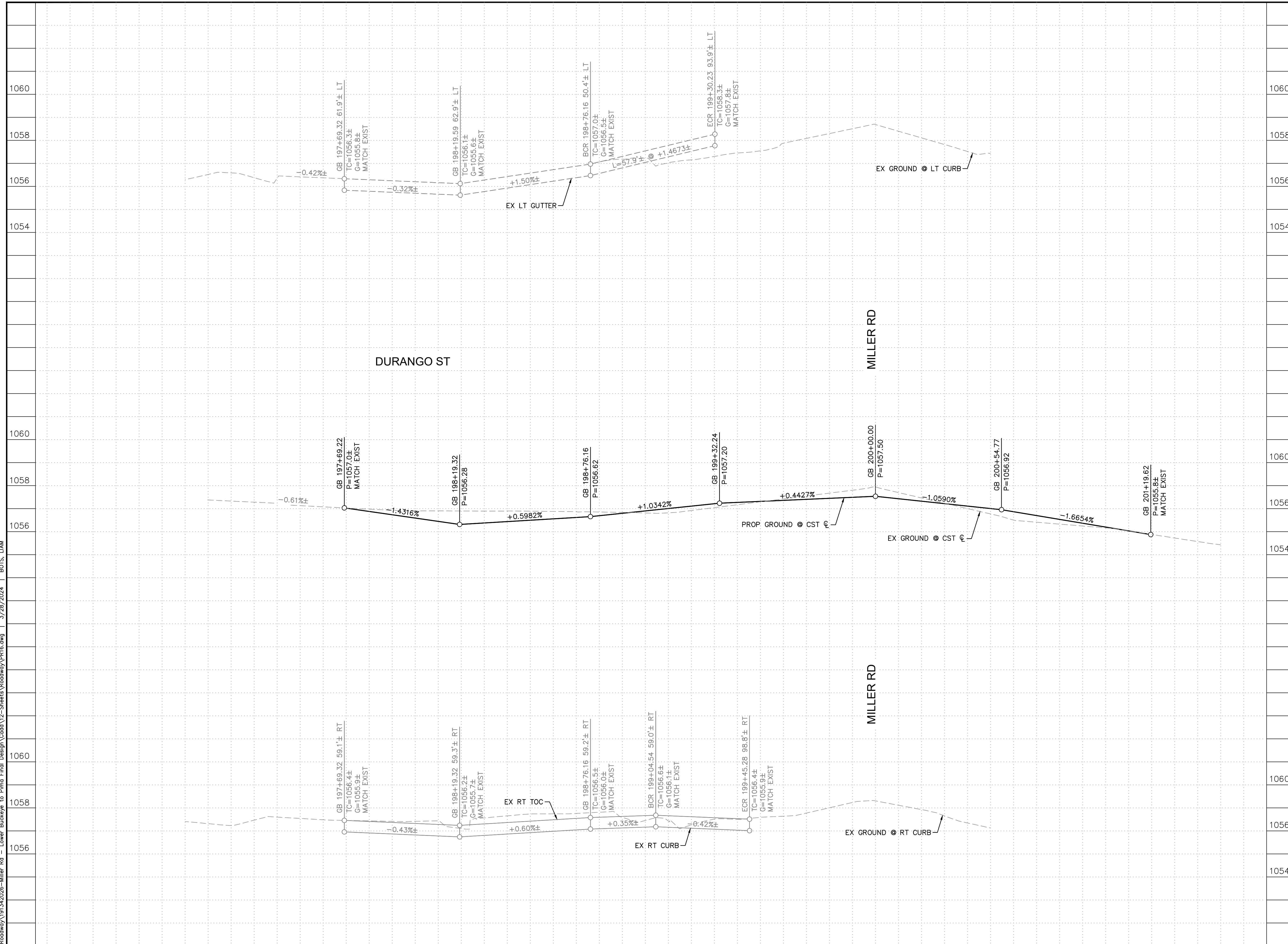
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL



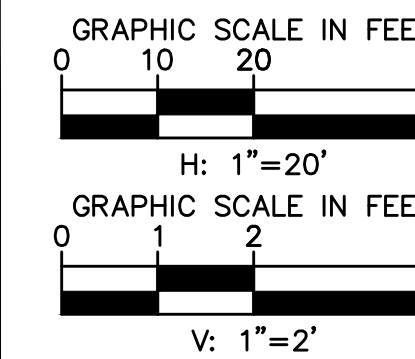
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 36 OF 133

SUBMITTAL: **FINAL**
 COB PLAN TRACKING #
 COB PERMIT #
 ENGMJRCIP-21-003

APN 504-26-00BL
 FIVE BELOW INC



- NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE DURANGO ST CST.
 2. STATION AND OFFSET REFERENCE THE EDGE OF PAVEMENT.



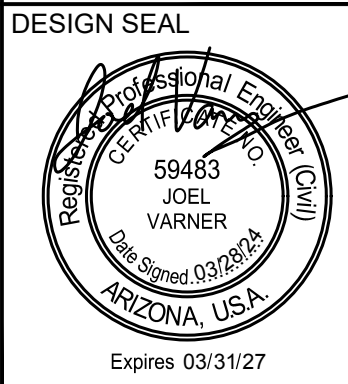
REVISIONS:	
1	
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PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PAVING PROFILE

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL
COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
DESIGN SEAL



ORIGINAL PLAN DATE
3/28/2024

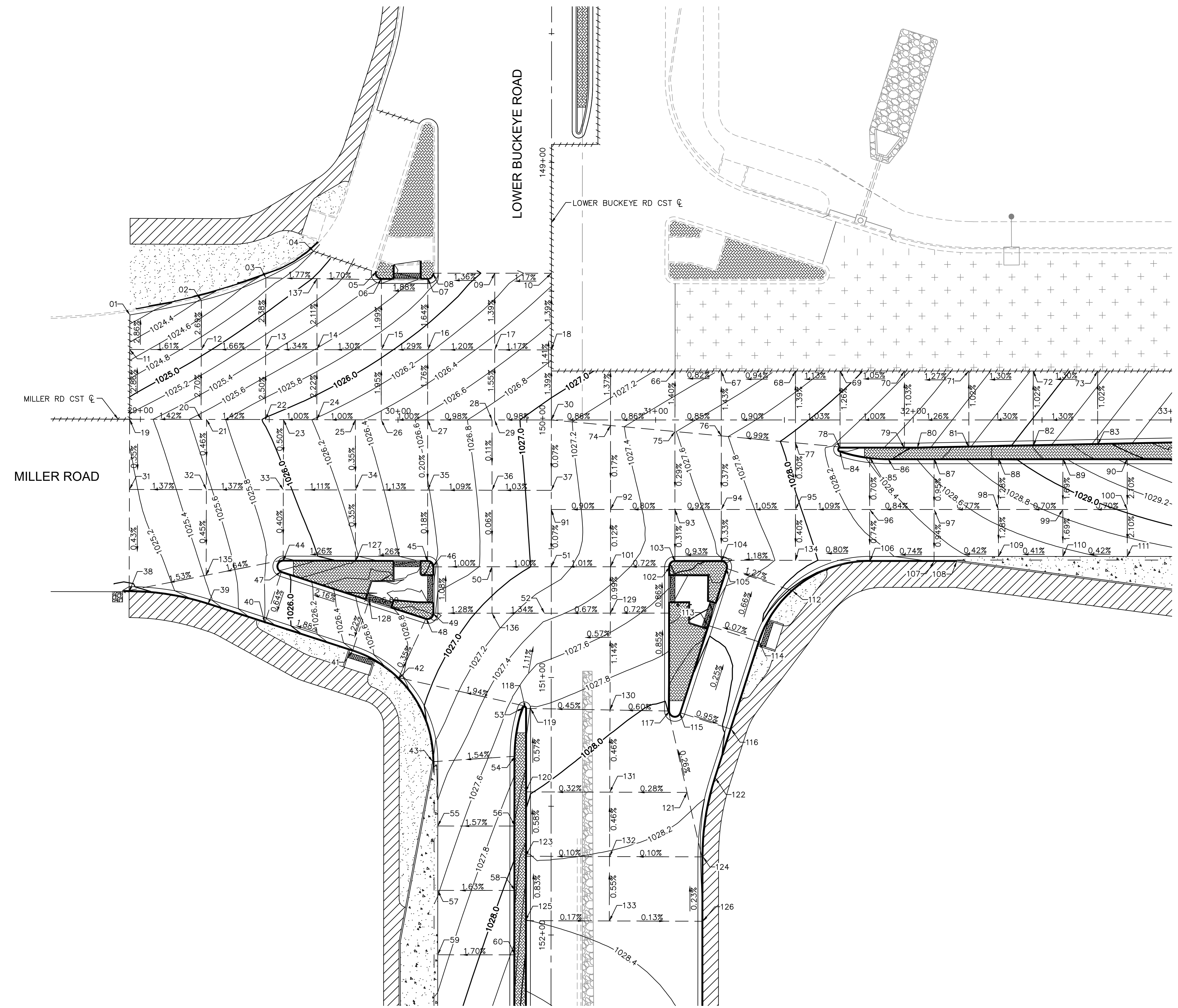
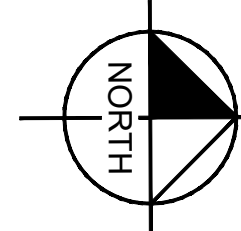
PROJECT NUMBER
CIP #105260

LATEST REVISION DATE
SHEET NUMBER
37 OF 133

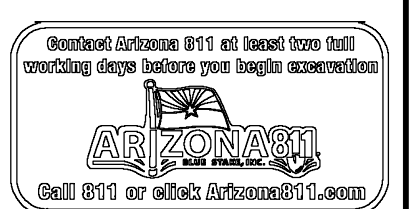
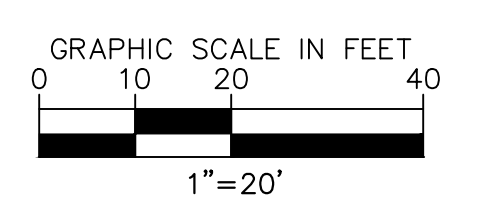
SUBMITTAL:
FINAL

COB PLAN TRACKING #
N/A

COB PERMIT #
ENGMJRPCP-21-003



- NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST C.
 2. ALL STATIONS AND OFFSETS ARE TAKEN TO THE BACK OF CURB AT THE TOP OF CURB (TC) UNLESS OTHERWISE NOTED.
 3. SEE SHEET 39 FOR INTERSECTION STAKING TABLE DATA.



REVISIONS:	
1	
2	
3	
PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS INTERSECTION STAKING DETAIL	
ENGINEER INFORMATION Kimley-Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 38 OF 133
COB PLAN TRACKING # N/A	COB PERMIT # ENGMJRCIP-21-003

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\2-Sheets\Roadway\SK01.dwg | 3/28/2024 | BOTS, LIAM

INTERSECTION STAKING POINTS		
POINT	STATION, OFFSET	TC ELEV
05	29+91.50, 57.57 LT	1025.81
06	29+93.41, 54.96 LT	1025.82
07	30+11.55, 54.96 LT	1026.18
08	30+13.57, 56.92 LT	1026.20
38	28+95.81, 67.00 RT	1025.39
39	29+26.39, 71.79 RT	1025.80
40	29+48.51, 78.90 RT	1026.23
41	29+82.56, 89.83 RT	1026.90
42	30+00.07, 100.58 RT	1027.11
43	30+13.45, 132.62 RT	1027.74
44	29+55.55, 55.00 RT	1026.25
45	30+11.49, 55.00 RT	1026.96
46	30+13.49, 57.04 RT	1027.06
47	29+54.94, 58.90 RT	1026.42
48	30+10.86, 76.96 RT	1027.40
49	30+13.48, 75.06 RT	1027.17
53	30+48.48, 111.86 RT	1028.19
78	31+71.59, 11.00 RT	1028.73
79	31+96.59, 11.00 RT	1028.98
80	32+01.59, 11.00 RT	1029.03

INTERSECTION STAKING POINTS		
POINT	STATION, OFFSET	TC ELEV
81	32+21.59, 10.60 RT	1029.29
82	32+46.59, 10.10 RT	1029.61
83	32+71.59, 9.60 RT	1029.93
84	31+71.43, 11.97 RT	1028.80
85	31+83.09, 14.58 RT	1028.90
86	31+90.16, 15.00 RT	1028.98
87	32+08.09, 15.00 RT	1029.17
88	32+33.09, 15.00 RT	1029.43
89	32+58.09, 15.00 RT	1029.68
90	32+83.09, 15.00 RT	1029.93
102	31+05.49, 57.00 RT	1028.03
103	31+07.49, 55.00 RT	1027.91
104	31+25.50, 55.00 RT	1028.05
105	31+27.40, 57.61 RT	1028.15
106	31+83.09, 55.00 RT	1028.55
107	32+08.09, 55.00 RT	1028.73
108	32+16.85, 55.00 RT	1028.80
112	31+53.19, 66.37 RT	1028.46
113	31+20.27, 79.77 RT	1028.40
114	31+40.26, 86.21 RT	1028.40

INTERSECTION STAKING POINTS		
POINT	STATION, OFFSET	TC ELEV
115	31+09.36, 113.64 RT	1028.59
116	31+29.35, 120.08 RT	1028.40
117	31+05.46, 113.03 RT	1028.49
118	30+49.46, 112.02 RT	1028.23
120	30+49.44, 144.41 RT	1028.46
122	31+23.24, 139.06 RT	1028.60
123	30+49.42, 169.41 RT	1028.72
124	31+18.42, 169.65 RT	1028.67
125	30+49.41, 194.41 RT	1028.90
126	31+18.41, 194.65 RT	1028.72
127	29+83.59, 54.98 RT	1026.59

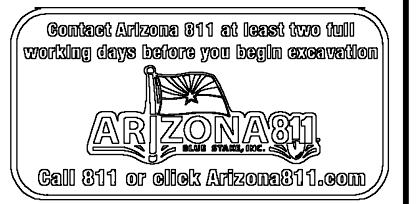
INTERSECTION STAKING POINTS		
POINT	STATION, OFFSET	P ELEV
01	28+95.81, 40.47 LT	1024.10
02	29+23.55, 46.17 LT	1024.42
03	29+48.55, 54.98 LT	1024.69
04	29+66.98, 65.40 LT	1024.80
09	30+37.55, 56.95 LT	1026.07
10	30+59.55, 56.93 LT	1026.33
11	28+95.81, 27.07 LT	1024.48
12	29+23.55, 27.11 LT	1024.93
13	29+48.55, 27.16 LT	1025.34
14	29+68.45, 27.20 LT	1025.61
15	29+93.45, 27.23 LT	1025.94
16	30+11.52, 27.23 LT	1026.17
17	30+37.52, 27.21 LT	1026.49
18	30+59.54, 27.19 LT	1026.74
19	28+95.81, 0.00	1025.27
20	29+23.55, 0.00	1025.66
21	29+25.68, 0.00	1025.69
22	29+48.55, 0.00	1026.02
23	29+55.55, 0.00	1026.09
24	29+68.49, 0.04 RT	1026.22

INTERSECTION STAKING POINTS		
POINT	STATION, OFFSET	P ELEV
25	29+83.45, 0.02 LT	1026.37
26	29+93.49, 0.00 RT	1026.47
27	30+11.49, 0.00	1026.65
28	30+36.49, 0.00	1026.89
29	30+37.49, 0.00 RT	1026.90
30	30+59.52, 0.00 RT	1027.12
31	28+95.81, 27.28 RT	1025.16
32	29+25.68, 27.27 RT	1025.57
33	29+55.55, 27.25 RT	1025.96
34	29+83.52, 27.23 RT	1026.27
35	30+11.49, 27.25 RT	1026.59
36	30+36.49, 27.30 RT	1026.87
37	30+59.51, 27.35 RT	1027.10
50	30+36.49, 57.01 RT	1026.85
51	30+59.49, 57.02 RT	1027.08
52	30+56.85, 75.09 RT	1027.36
55	30+15.43, 157.67 RT	1027.45
57	30+15.42, 182.67 RT	1027.59
59	30+15.40, 207.67 RT	1027.72
66	31+07.55, 19.00 LT	1027.27

INTERSECTION STAKING POINTS		
POINT	STATION, OFFSET	P ELEV
67	31+25.50, 19.00 LT	1027.45
68	31+54.29, 19.00 LT	1027.74
69	31+71.59, 19.00 LT	1027.92
70	31+96.59, 19.00 LT	1028.18
71	32+21.59, 19.00 LT	1028.49
72	32+46.59, 19.00 LT	1028.81
73	32+71.59, 19.00 LT	1029.14
74	30+82.49, 2.15 RT	1027.35
75	31+07.49, 4.49 RT	1027.59
76	31+25.50, 6.18 RT	1027.77
77	31+54.29, 8.88 RT	1028.06
91	30+59.50, 34.79 RT	1027.10
92	30+82.49, 34.79 RT	1027.30
93	31+07.49, 34.79 RT	1027.50
94	31+25.50, 34.79 RT	1027.67
95	31+54.29, 34.79 RT	1027.97
96	31+83.09, 34.79 RT	1028.27
97	32+08.09, 34.79 RT	1028.49
98	32+33.09, 34.79 RT	1028.68
99	32+58.09, 34.79 RT	1028.85

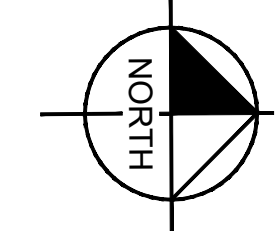
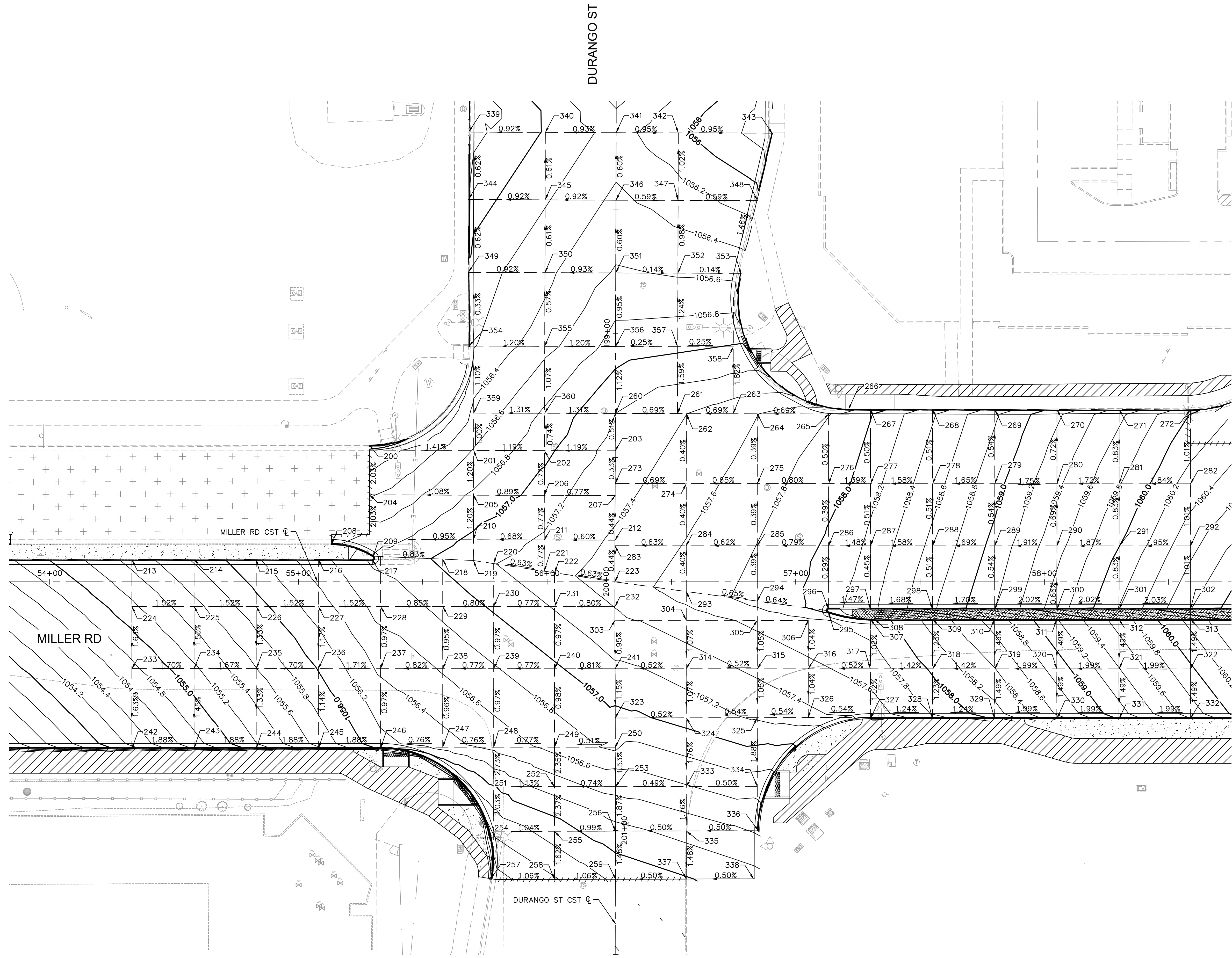
INTERSECTION STAKING POINTS		
POINT	STATION, OFFSET	P ELEV
100	32+83.09, 34.79 RT	1029.03
101	30+82.49, 57.01 RT	1027.34
119	30+51.46, 112.02 RT	1027.81
121	31+12.19, 144.63 RT	1028.18
129	30+82.43, 75.03 RT	1027.52
130	30+82.30, 112.61 RT	1027.93
131	30+82.18, 144.53 RT	1028.10
132	30+82.18, 169.53 RT	1028.21
133	30+82.01, 194.53 RT	1028.35
134	31+54.29, 54.50 RT	1027.90
135	29+25.68, 60.50 RT	1025.41
136	30+36.49, 75.05 RT	1027.09
137	29+68.41, 54.75 LT	1025.04

- NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST C.
 2. ALL STATIONS AND OFFSETS ARE TAKEN TO THE BACK OF CURB AT THE TOP OF CURB (TC) UNLESS OTHERWISE NOTED.
 3. SEE SHEET 38 FOR INTERSECTION STAKING DETAIL.

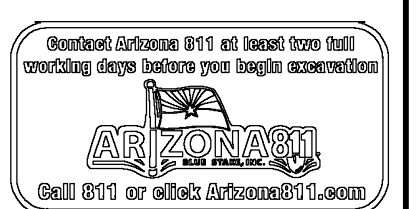
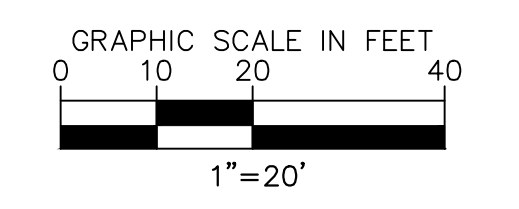


REVISIONS:		FINAL <small>SUBMITTAL:</small>
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2		
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PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS INTERSECTION STAKING DETAIL		
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500 COB PERMITTING APPROVED SEAL COB ENGINEERING APPROVED SEAL		
AS-BUILT SEAL	DESIGN SEAL	
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	
PROJECT NUMBER CIP #105260	SHEET NUMBER 39 OF 133	COB PLAN TRACKING # N/A
		COB PERMIT # ENGMJRPCP-21-003

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\12-Sheets\Roadway\SK02.dwg | 3/28/2024 | BOTS, LIAM



- NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST C.
 2. ALL STATIONS AND OFFSETS ARE TAKEN TO THE BCK OF CURB AT TOP OF CURB (TC) UNLESS OTHERWISE NOTED.
 3. SEE SHEET 41 FOR INTERSECTION STAKING TABLE DATA.



REVISIONS:	
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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS INTERSECTION STAKING DETAIL	
ENGINEER INFORMATION: Kimley-Horn	
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE: 3/28/2024	LATEST REVISION DATE:
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 40 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING #	
COB PERMIT #	
ENG/MJRC/P-21-003	

STAKING POINT TABLE		
POINT	STATION, OFFSET	TC ELEV
209	55+30.00, 9.92 LT	1057.31
242	54+33.04, 67.00 RT	1054.67
243	54+58.04, 67.00 RT	1055.14
244	54+83.04, 67.00 RT	1055.62
245	55+08.04, 67.00 RT	1056.09
246	55+33.04, 67.00 RT	1056.56
295	57+13.09, 11.97 RT	1058.50
296	57+13.24, 11.00 RT	1058.60
297	57+30.05, 11.00 RT	1058.85
298	57+55.05, 11.00 RT	1059.27
299	57+80.05, 11.00 RT	1059.69
300	58+05.05, 11.00 RT	1060.20
301	58+30.05, 11.00 RT	1060.71
302	58+58.74, 11.00 RT	1061.29
307	57+30.05, 14.97 RT	1058.35
308	57+31.82, 15.00 RT	1058.39
309	57+55.05, 15.00 RT	1058.77
310	57+80.05, 15.00 RT	1059.19
311	58+05.05, 15.00 RT	1059.69
312	58+30.05, 15.00 RT	1060.19

STAKING POINT TABLE		
POINT	STATION, OFFSET	TC ELEV
313	58+58.74, 15.00 RT	1060.76
328	57+55.05, 55.00 RT	1058.23
329	57+80.05, 55.00 RT	1058.54
330	58+05.05, 55.00 RT	1059.04
331	58+30.05, 55.00 RT	1059.54
332	58+58.74, 55.00 RT	1060.12
336	56+85.05, 100.12 RT	1056.93

STAKING POINT TABLE		
POINT	STATION, OFFSET	TC ELEV
200	55+28.59, 55.0± LT	1056.4±
208	55+13.29, 15.0± LT	1057.0±
213	54+33.04, 9.0± LT	1056.0±
214	54+58.04, 9.0± LT	1056.3±
215	54+83.04, 9.0± LT	1056.7±
216	55+08.04, 9.0± LT	1057.0±
217	55+29.72, 9.0± LT	1057.3±
257	55+77.42, 119.4± RT	1055.8±
266	57+21.28, 69.5± LT	1058.3±
267	57+30.05, 69.5± LT	1058.4±
268	57+55.05, 69.5± LT	1058.8±
269	57+80.05, 69.4± LT	1059.2±
270	58+05.05, 69.4± LT	1059.6±
271	58+30.05, 69.3± LT	1060.0±
272	58+58.74, 69.3± LT	1060.4±
339	55+68.50, 180.9± LT	1056.2±
343	56+90.62, 180.2± LT	1056.1±
344	55+68.40, 153.8± LT	1056.3±
348	56+84.63, 153.4± LT	1056.5±
349	55+68.30, 124.5± LT	1056.5±

STAKING POINT TABLE		
POINT	STATION, OFFSET	TC ELEV
353	56+78.00, 123.7± LT	1057.0±
354	55+68.59, 94.9± LT	1056.6±

STAKING POINT TABLE		
POINT	STATION, OFFSET	P ELEV
201	55+70.48, 52.88 LT	1056.61
202	55+98.95, 52.80 LT	1056.95
203	56+27.42, 52.72 LT	1057.29
204	55+28.59, 35.00 LT	1056.39
205	55+70.43, 34.88 LT	1056.83
206	55+98.90, 34.80 LT	1057.09
207	56+27.42, 34.72 LT	1057.35
210	55+70.38, 16.93 LT	1057.04
211	55+98.85, 16.85 LT	1057.22
212	56+27.32, 16.77 LT	1057.43
218	55+58.04, 9.13 LT	1057.04
219	55+70.35, 8.60 LT	1057.14
220	55+78.53, 7.37 LT	1057.19
221	55+98.82, 4.30 LT	1057.32
222	56+02.99, 3.67 LT	1057.35
223	56+27.28, 0.00	1057.50
224	54+33.01, 9.88 RT	1055.16
225	54+58.04, 9.89 RT	1055.55
226	54+83.04, 9.90 RT	1055.93
227	55+08.04, 9.91 RT	1056.31

STAKING POINT TABLE		
POINT	STATION, OFFSET	P ELEV
228	55+33.04, 9.91 RT	1056.69
229	55+58.04, 9.93 RT	1056.89
230	55+78.53, 9.94 RT	1057.03
231	56+02.99, 9.95 RT	1057.21
232	56+27.31, 9.96 RT	1057.41
233	54+33.00, 34.88 RT	1054.76
234	54+58.04, 34.89 RT	1055.17
235	54+83.04, 34.90 RT	1055.60
236	55+08.04, 34.91 RT	1056.02
237	55+33.04, 34.92 RT	1056.44
238	55+58.04, 34.93 RT	1056.62
239	55+78.53, 34.94 RT	1056.78
240	56+02.99, 34.95 RT	1056.97
241	56+27.37, 34.96 RT	1057.17
247	55+58.04, 66.50 RT	1056.26
248	55+78.53, 66.50 RT	1056.45
249	56+02.99, 66.50 RT	1056.66
250	56+27.46, 66.50 RT	1056.85
251	55+78.53, 82.40 RT	1055.99
252	56+03.01, 82.40 RT	1056.28

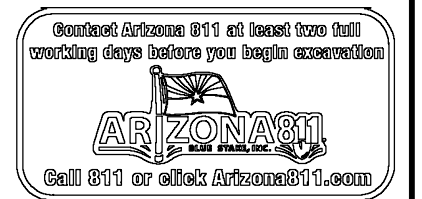
STAKING POINT TABLE		
POINT	STATION, OFFSET	P ELEV
253	56+27.50, 82.40 RT	1056.46
254	55+78.58, 100.40 RT	1055.64
255	56+02.99, 100.33 RT	1055.89
256	56+27.55, 100.27 RT	1056.13
258	56+02.99, 119.69 RT	1055.58
259	56+27.60, 119.62 RT	1055.84
260	56+27.46, 67.76 LT	1057.20
261	56+52.46, 67.69 LT	1057.37
262	56+55.99, 67.69 LT	1057.40
263	56+74.81, 67.64 LT	1057.53
264	56+84.55, 67.61 LT	1057.60
265	57+13.24, 67.54 LT	1057.79
273	56+27.34, 39.52 LT	1057.32
274	56+55.99, 39.52 LT	1057.52
275	56+84.55, 39.52 LT	1057.71
276	57+13.24, 39.50 LT	1057.93
277	57+30.05, 39.40 LT	1058.13
278	57+55.05, 39.49 LT	1058.52
279	57+80.05, 39.48 LT	1058.92
280	58+05.05, 39.48 LT	1059.36

STAKING POINT TABLE		
POINT	STATION, OFFSET	P ELEV
281	58+30.05, 39.47 LT	1059.79
282	58+58.74, 39.46 LT	1060.29
283	56+27.26, 14.52 LT	1057.44
284	56+55.99, 14.52 LT	1057.61
285	56+84.55, 14.52 LT	1057.80
286	57+13.24, 14.50 LT	1058.04
287	57+30.05, 14.50 LT	1058.25
288	57+55.05, 14.49 LT	1058.65
289	57+80.05, 14.48 LT	1059.06
290	58+05.05, 14.48 LT	1059.54
291	58+30.05, 14.47 LT	1060.00
292	58+58.74, 14.46 LT	1060.54
293	56+55.99, 3.88 RT	1057.69
294	56+84.55, 7.74 RT	1057.87
303	56+27.32, 15.45 RT	1057.35
304	56+55.99, 15.46 RT	1057.50
305	56+84.55, 15.48 RT	1057.65
306	57+05.05, 15.49 RT	1057.75
314	56+55.99, 34.97 RT	1057.29
315	56+84.55, 34.97 RT	1057.44

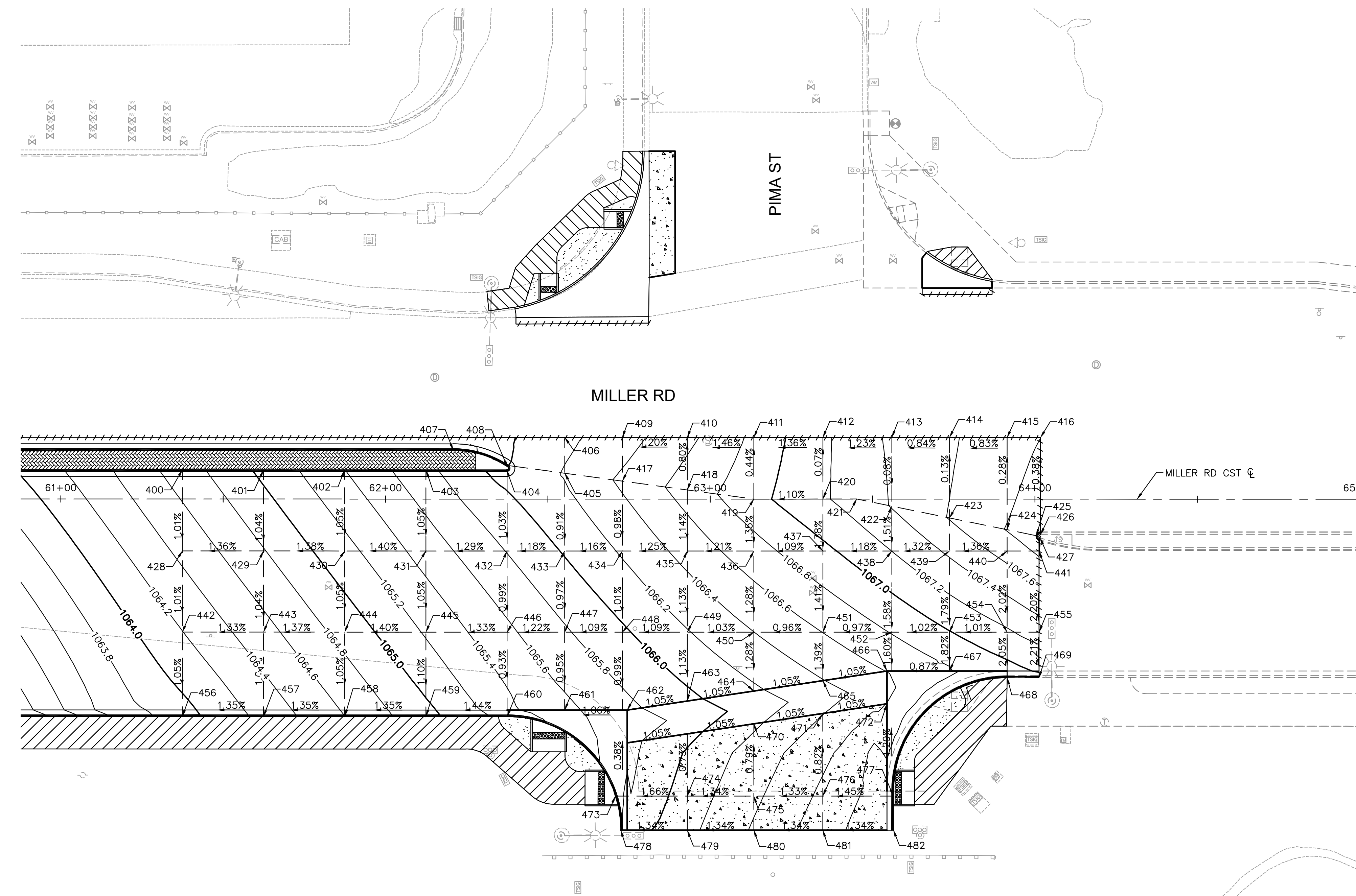
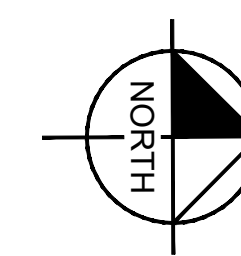
STAKING POINT TABLE		
POINT	STATION, OFFSET	P ELEV
316	57+05.05, 34.98 RT	1057.55
317	57+30.05, 34.99 RT	1057.69
318	57+55.05, 35.00 RT	1058.04
319	57+80.05, 35.00 RT	1058.39
320	58+05.05, 35.00 RT	1058.89
321	58+30.05, 35.01 RT	1059.39
322	58+58.74, 35.02 RT	1059.97
323	56+27.43, 54.77 RT	1056.92
324	56+55.99, 54.70 RT	1057.07
325	56+84.55, 54.62 RT	1057.22
326	57+05.05, 54.57 RT	1057.32
333	56+55.99, 82.33 RT	1056.59
334	56+84.55, 82.25 RT	1056.69
335	56+55.99, 100.20 RT	1056.27
337	56+55.99, 119.55 RT	1055.98
338	56+83.10, 119.48 RT	1056.12
340	55+99.31, 180.81 LT	1056.02
341	56+27.76, 180.68 LT	1056.28
342	56+52.76, 180.62 LT	1056.04
345	55+99.23, 153.67 LT	1056.18

STAKING POINT TABLE		
POINT	STATION, OFFSET	P ELEV
346	56+27.69, 153.54 LT	1056.44
347	56+52.69, 153.48 LT	1056.29
350	55+99.15, 124.37 LT	1056.36
351	56+27.61, 124.27 LT	1056.62
352	56+52.61, 124.20 LT	1056.58
355	55+99.07, 94.75 LT	1056.53
356	56+27.53, 94.65 LT	1056.90
357	56+52.53, 94.59 LT	1056.96
358	56+74.88, 94.53 LT	1057.01
359	55+70.52, 67.92 LT	1056.46
360	55+98.99, 67.84 LT	1056.83

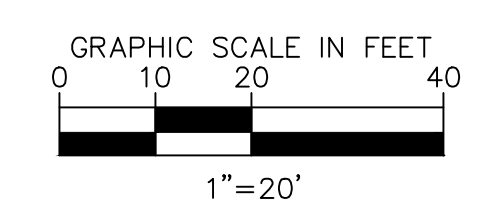
- NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST C.
 2. ALL STATIONS AND OFFSETS ARE TAKEN TO THE BACK OF CURB AT TOP OF CURB (TC) UNLESS OTHERWISE NOTED.
 3. SEE SHEET 40 FOR INTERSECTION STAKING DETAIL.



REVISIONS:	
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PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS INTERSECTION STAKING DETAIL	
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 41 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING #	
COB PERMIT #	
ENGMJRCIP-21-003	



- NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST CL.
 2. ALL STATIONS AND OFFSETS REFERENCE THE BACK OF CURB AT THE TOP OF CURB UNLESS OTHERWISE NOTED.
 3. SEE SHEET 43 FOR INTERSECTION STAKING TABLE DATA.



REVISIONS:	
1	
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3	
PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS INTERSECTION STAKING DETAIL	
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL Expires 03/31/27
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 42 OF 133
COB PLAN TRACKING # N/A	COB PERMIT # ENGMJRCIP-21-003

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\2-Sheets\Roadway\SK03.dwg | 3/28/2024 | BOTS, LIAM

STAKING POINT TABLE		
POINT	STATION, OFFSET	TC ELEV
400	61+37.44, 9.00 LT	1065.20
401	61+62.44, 9.00 LT	1065.54
402	61+87.44, 9.00 LT	1065.89
403	62+12.44, 9.00 LT	1066.24
404	62+37.30, 9.00 LT	1066.59
407	62+20.87, 15.00 LT	1066.16
408	62+37.58, 9.92 LT	1066.50
456	61+37.44, 67.00 RT	1064.43
457	61+62.44, 67.00 RT	1064.76
458	61+87.44, 67.00 RT	1065.10
459	62+12.44, 67.00 RT	1065.44
460	62+37.44, 67.00 RT	1065.78
473	62+70.83, 91.50 RT	1066.13
477	63+56.44, 91.50 RT	1067.44
478	62+72.44, 102.00 RT	1066.32
482	63+56.44, 102.00 RT	1067.49

STAKING POINT TABLE		
POINT	STATION, OFFSET	P ELEV
405	62+55.19, 7.96 LT	1066.22
406	62+55.19, 19.00 LT	1066.15
417	62+72.94, 5.54 LT	1066.44
418	62+92.94, 2.80 LT	1066.69
419	63+13.44, 0.00	1066.94
420	63+34.69, 0.00	1067.17
421	63+45.11, 0.04 LT	1067.29
422	63+55.94, 2.17 RT	1067.41
423	63+73.69, 5.79 RT	1067.61
424	63+91.44, 9.42 RT	1067.81
428	61+37.44, 16.00 RT	1064.45
429	61+62.44, 16.00 RT	1064.79
430	61+87.44, 16.00 RT	1065.14
431	62+12.44, 16.00 RT	1065.48
432	62+37.44, 16.00 RT	1065.81
433	62+55.19, 16.00 RT	1066.02
434	62+72.94, 16.00 RT	1066.22
435	62+92.94, 16.00 RT	1066.47
436	63+13.44, 16.00 RT	1066.72
437	63+34.69, 16.00 RT	1066.95

STAKING POINT TABLE		
POINT	STATION, OFFSET	P ELEV
438	63+55.94, 16.00 RT	1067.20
439	63+73.69, 16.00 RT	1067.43
440	63+91.44, 16.00 RT	1067.68
442	61+37.44, 41.00 RT	1064.20
443	61+62.44, 41.00 RT	1064.53
444	61+87.44, 41.00 RT	1064.87
445	62+12.44, 41.00 RT	1065.22
446	62+37.44, 41.00 RT	1065.56
447	62+55.19, 41.00 RT	1065.78
448	62+72.94, 41.00 RT	1065.97
449	62+92.94, 41.00 RT	1066.19
450	63+13.44, 41.00 RT	1066.40
451	63+34.69, 41.00 RT	1066.60
452	63+55.94, 41.00 RT	1066.81
453	63+73.69, 41.00 RT	1066.99
454	63+91.44, 41.00 RT	1067.17
461	62+55.19, 65.00 RT	1065.55
462	62+74.44, 65.00 RT	1065.75
463	62+92.94, 62.22 RT	1065.95
464	63+13.44, 59.13 RT	1066.17

STAKING POINT TABLE		
POINT	STATION, OFFSET	P ELEV
465	63+34.69, 55.93 RT	1066.39
466	63+54.44, 52.96 RT	1066.61
467	63+73.69, 52.96 RT	1066.77
470	63+13.44, 69.24 RT	1066.17
471	63+34.69, 66.04 RT	1066.39
472	63+54.44, 63.07 RT	1066.61
474	62+92.94, 91.50 RT	1066.09
475	63+13.44, 91.50 RT	1066.36
476	63+34.69, 91.50 RT	1066.64

STAKING POINT TABLE		
POINT	STATION, OFFSET	P ELEV
409	62+72.94, 19.0'± LT	1066.3±
410	62+92.94, 19.0'± LT	1066.6±
411	63+13.44, 19.0'± LT	1066.9±
412	63+34.69, 19.0'± LT	1067.2±
413	63+55.94, 19.0'± LT	1067.4±
414	63+73.69, 19.0'± LT	1067.6±
415	63+91.44, 19.0'± LT	1067.7±
416	64+01.71, 19.0'± LT	1067.8±
425	64+00.36, 11.2'± RT	1067.9±
441	64+01.28, 16.0'± RT	1067.8±
455	64+01.28, 41.0'± RT	1067.3±

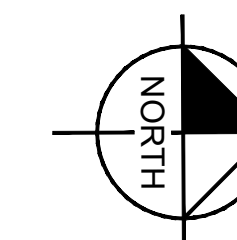
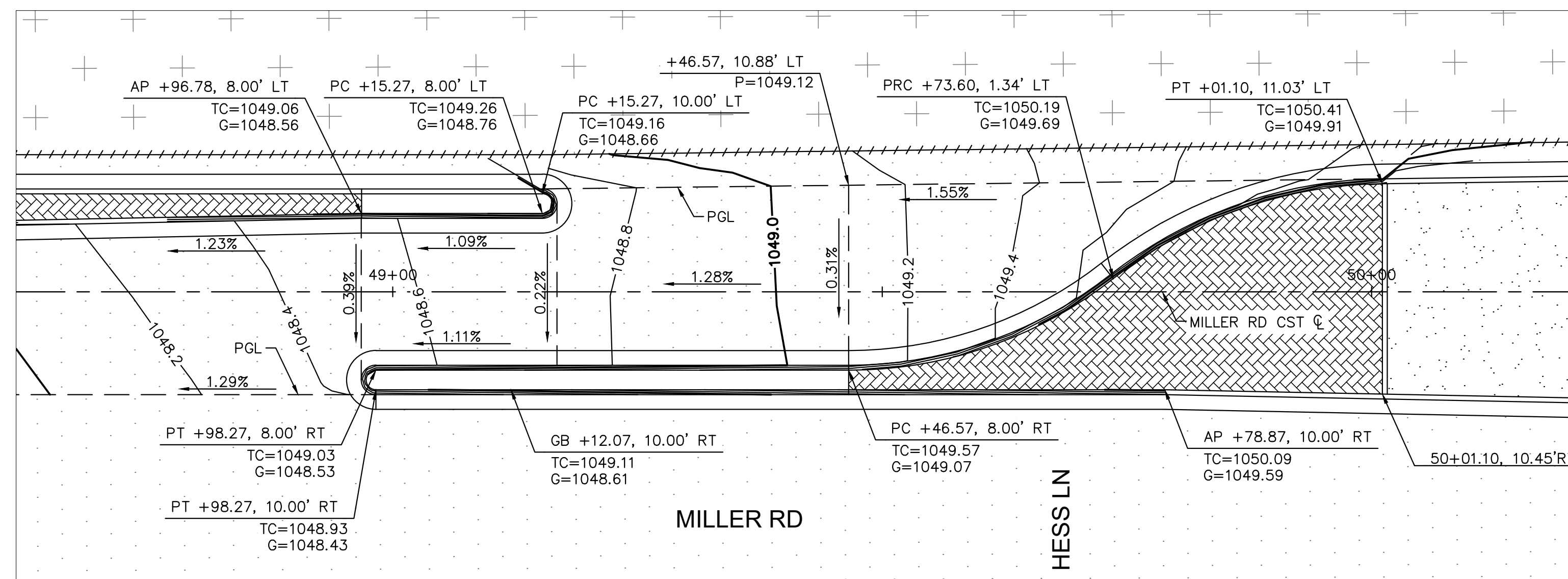
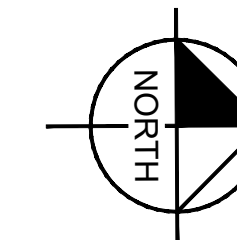
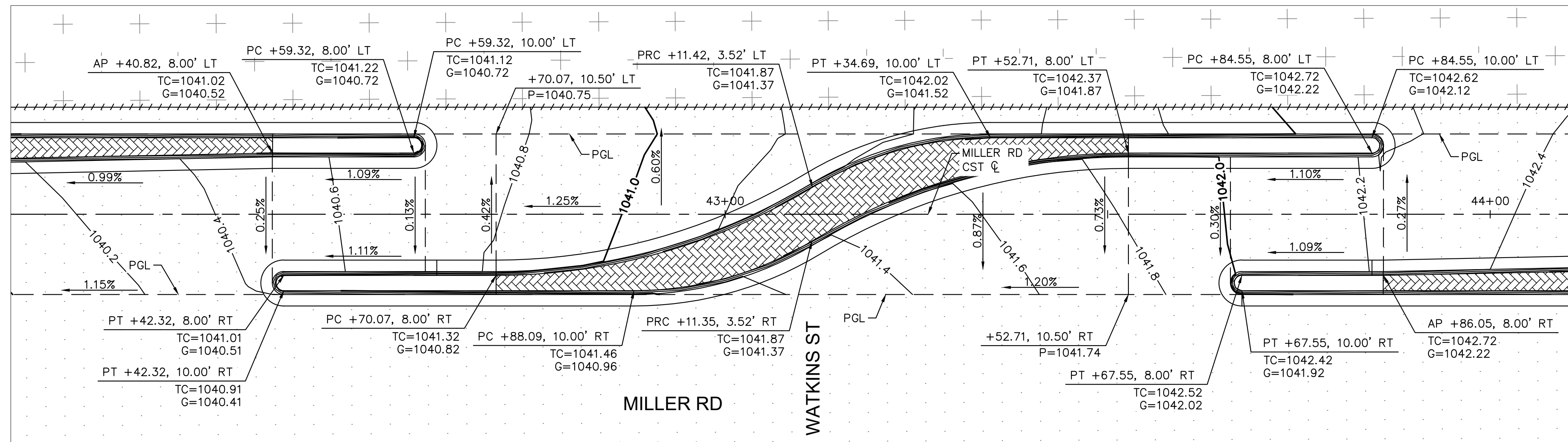
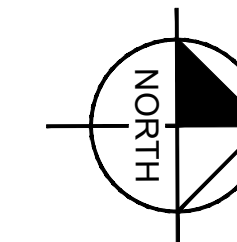
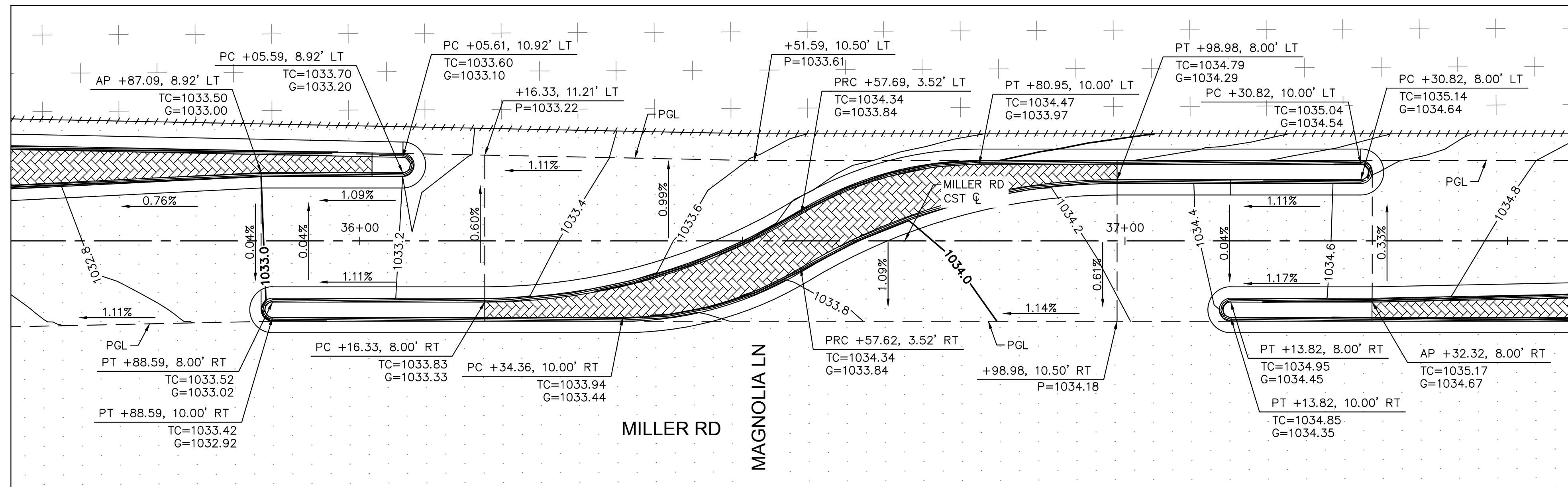
STAKING POINT TABLE		
POINT	STATION, OFFSET	TC ELEV
426	64+01.71, 11.0'± RT	1068.4±
427	64+01.56, 11.9'± RT	1068.4±
468	63+91.44, 55.0'± RT	1067.3±
469	64+01.28, 55.0'± RT	1067.4±

- NOTES:
 1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST @.
 2. ALL STATIONS AND OFFSETS REFERENCE THE BACK OF CURB AT THE TOP OF CURB UNLESS OTHERWISE NOTED.
 3. SEE SHEET 42 FOR INTERSECTION STAKING DETAIL.

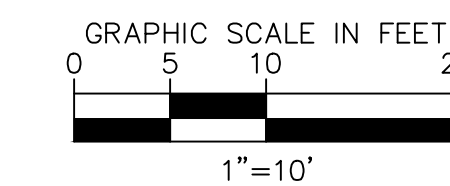


REVISIONS:	
1	
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PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS INTERSECTION STAKING DETAIL	
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 43 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING #	
COB PERMIT #	
ENG/MJRC/P-21-003	

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\12-Sheets\Roadway\SK04.dwg | 3/28/2024 | BOTS, LIAM

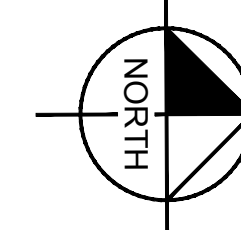
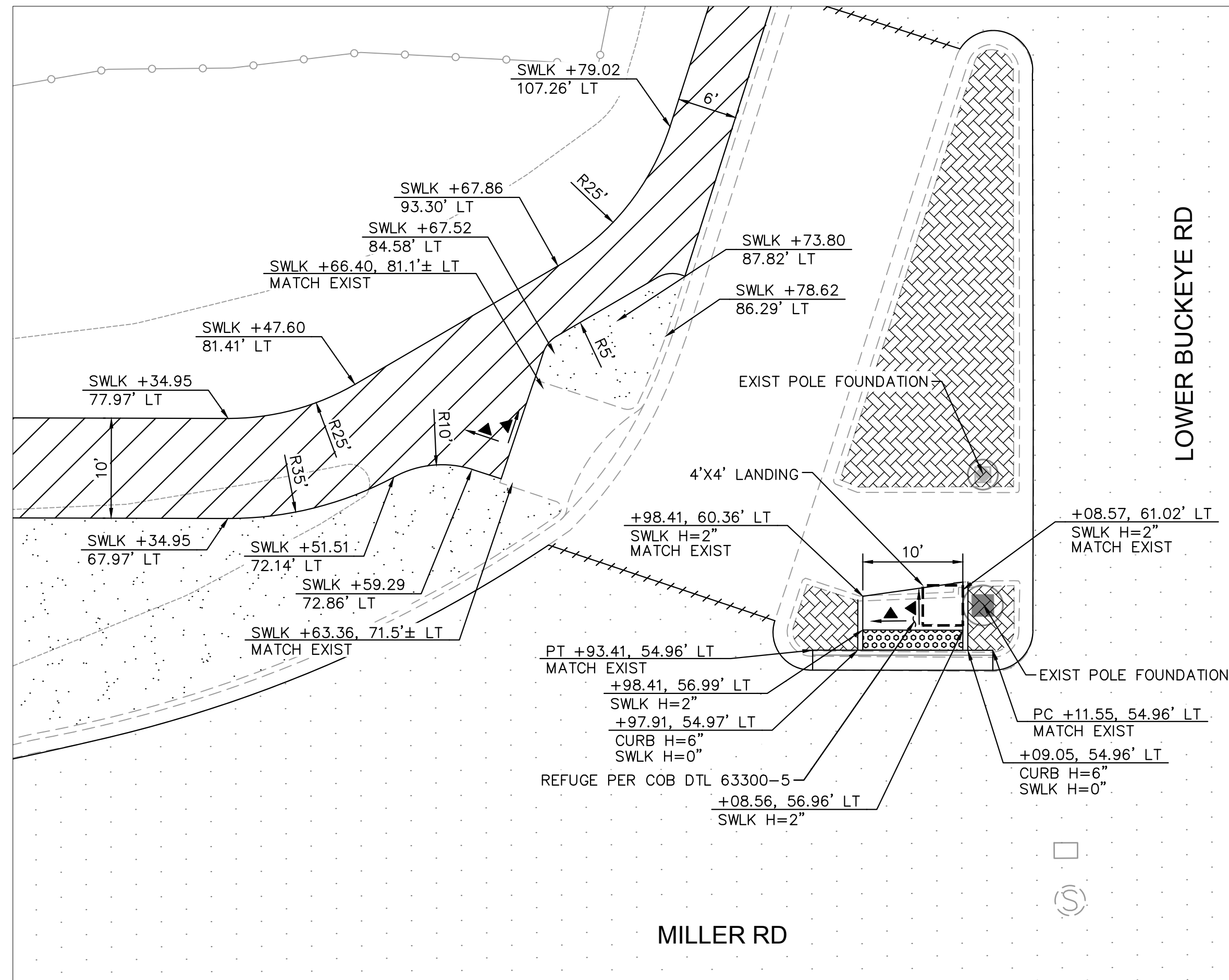


NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB.



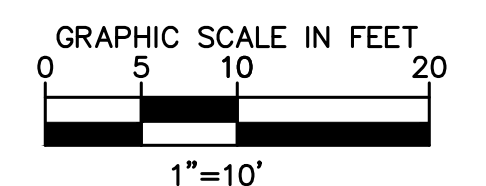
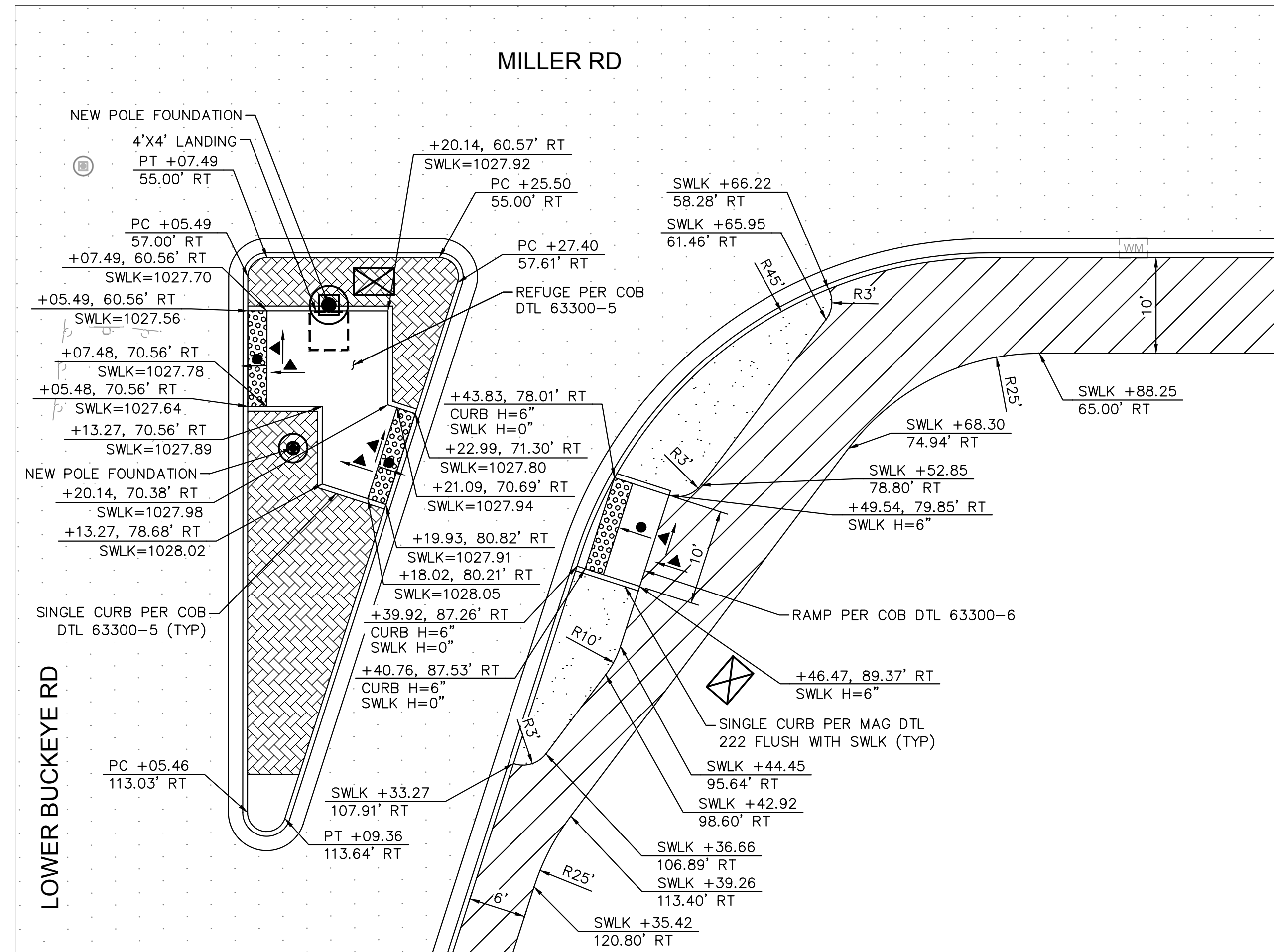
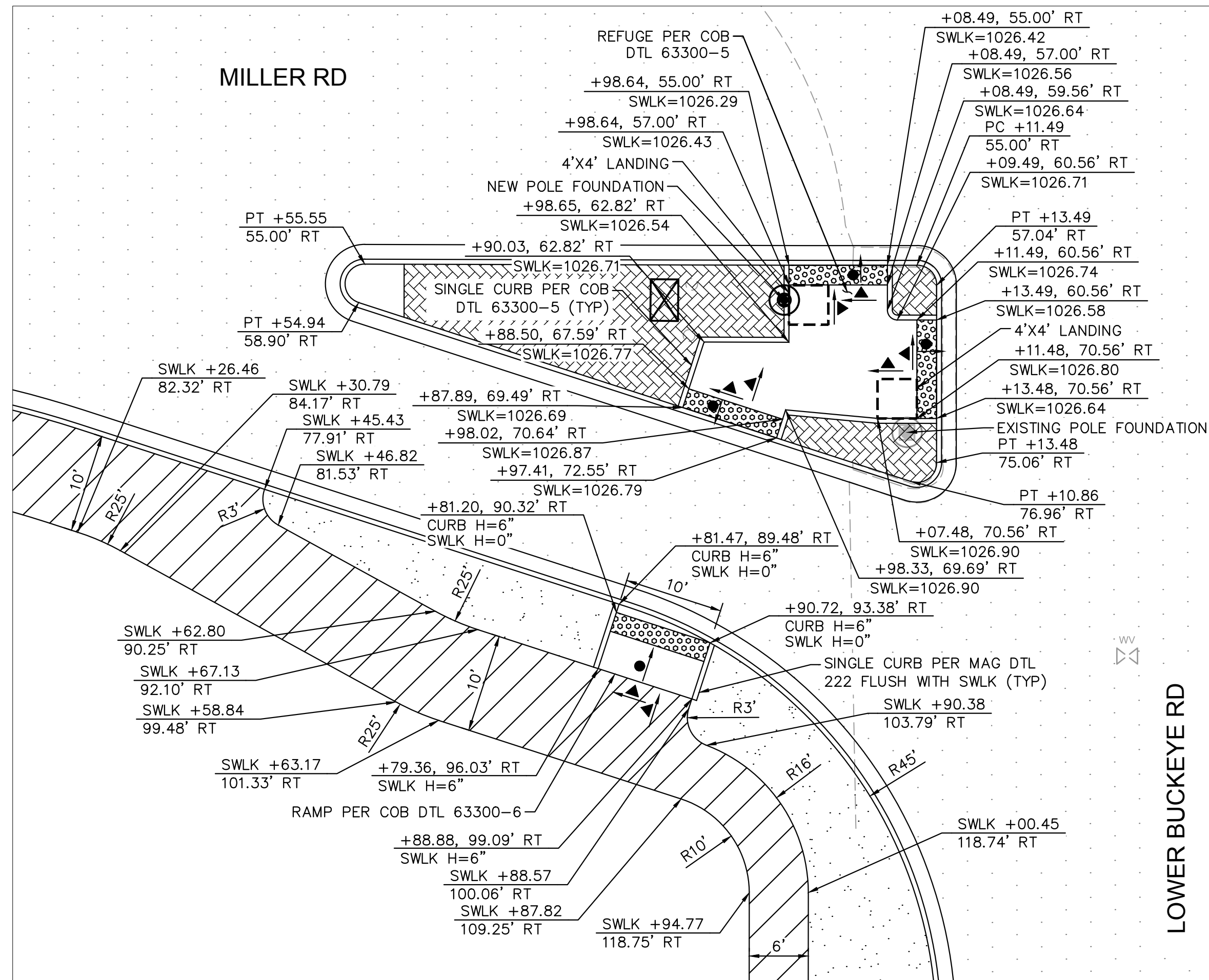
REVISIONS:	
1	
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PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS MEDIAN STAKING DETAILS	
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL Expires 03/31/27
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 44 OF 133
COB PLAN TRACKING # N/A	COB PERMIT # ENGMJRCIP-21-003

SUBMITTAL: FINAL



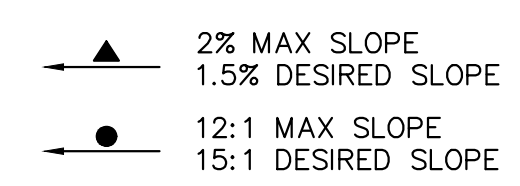
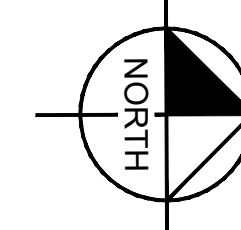
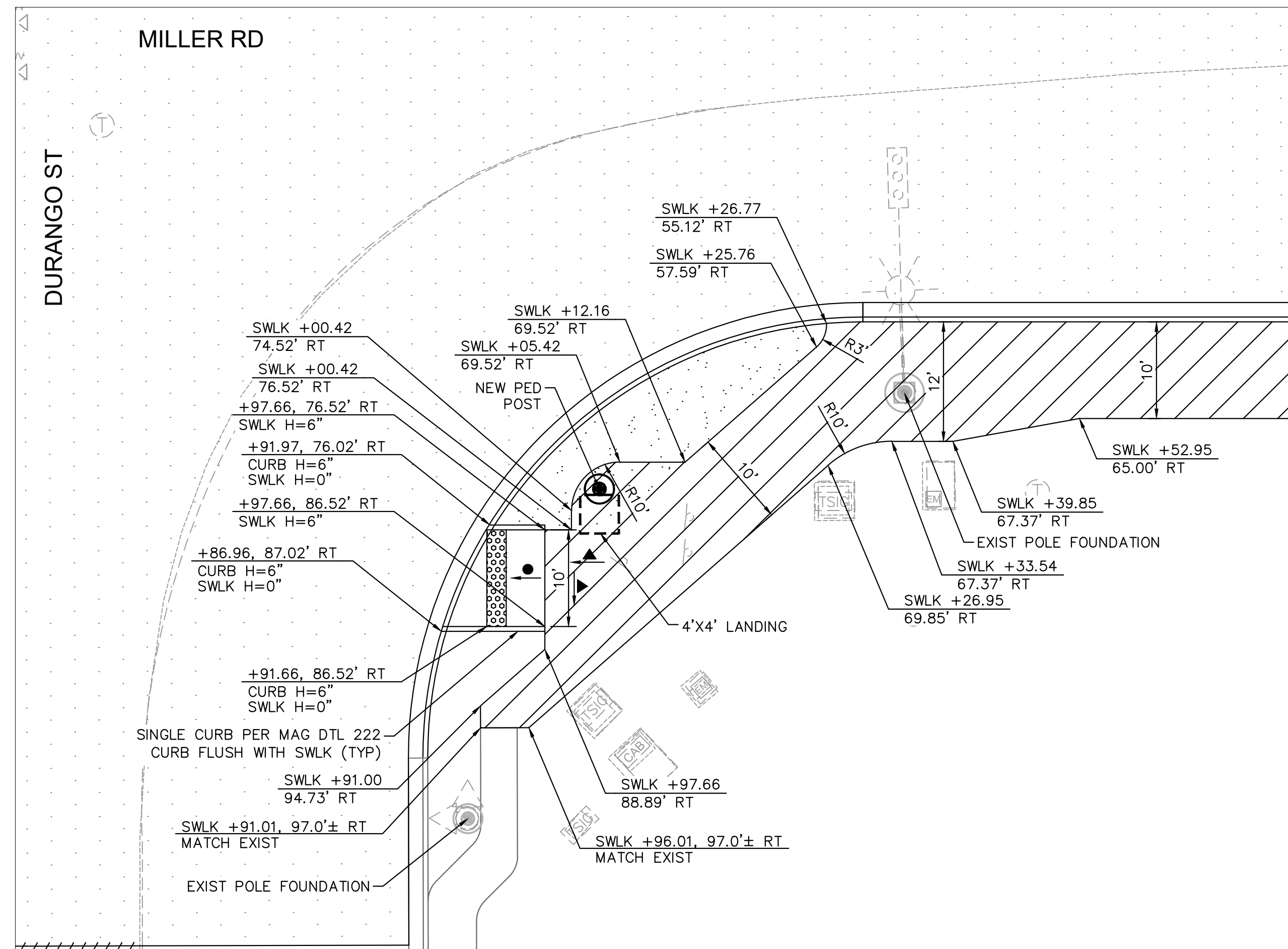
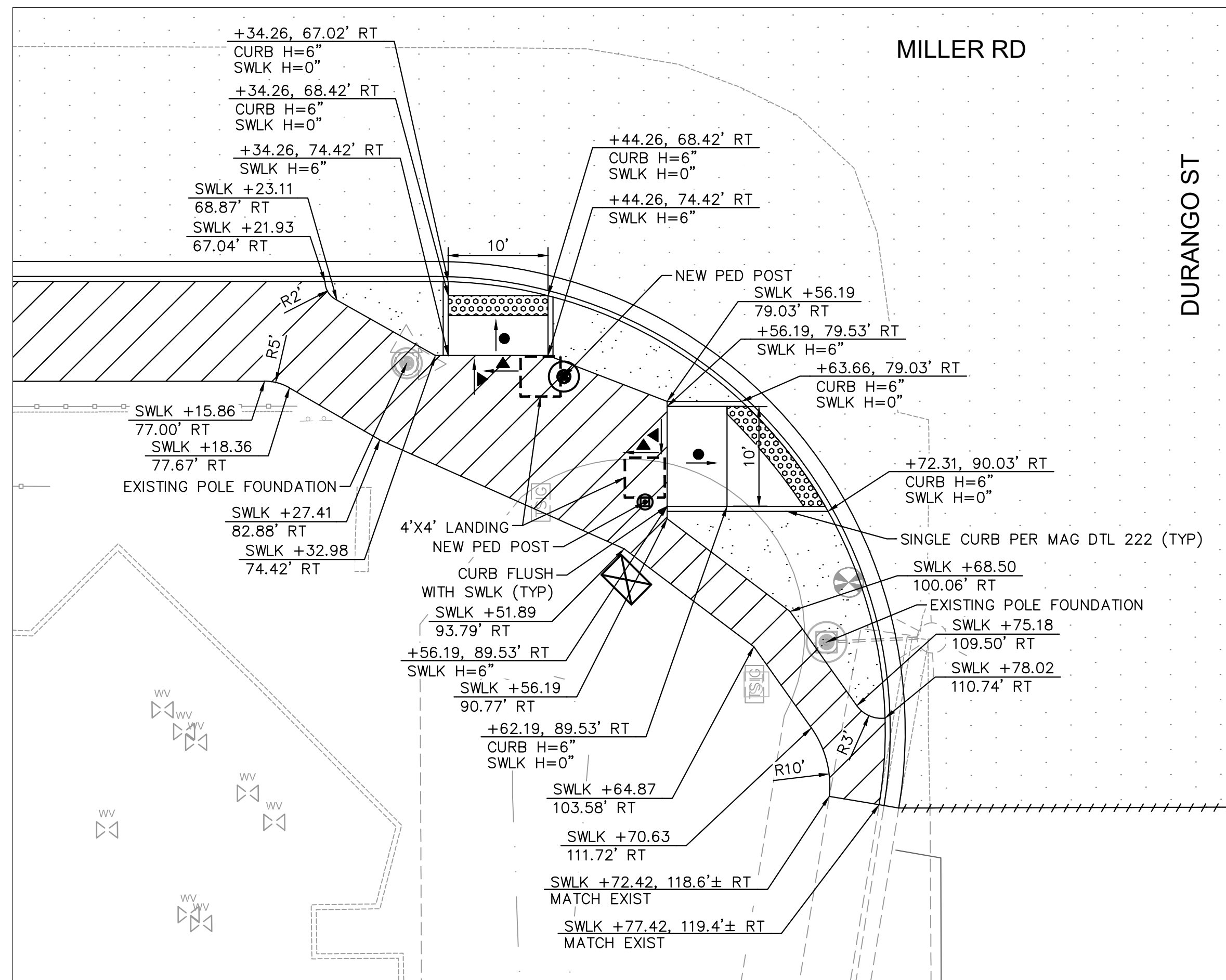
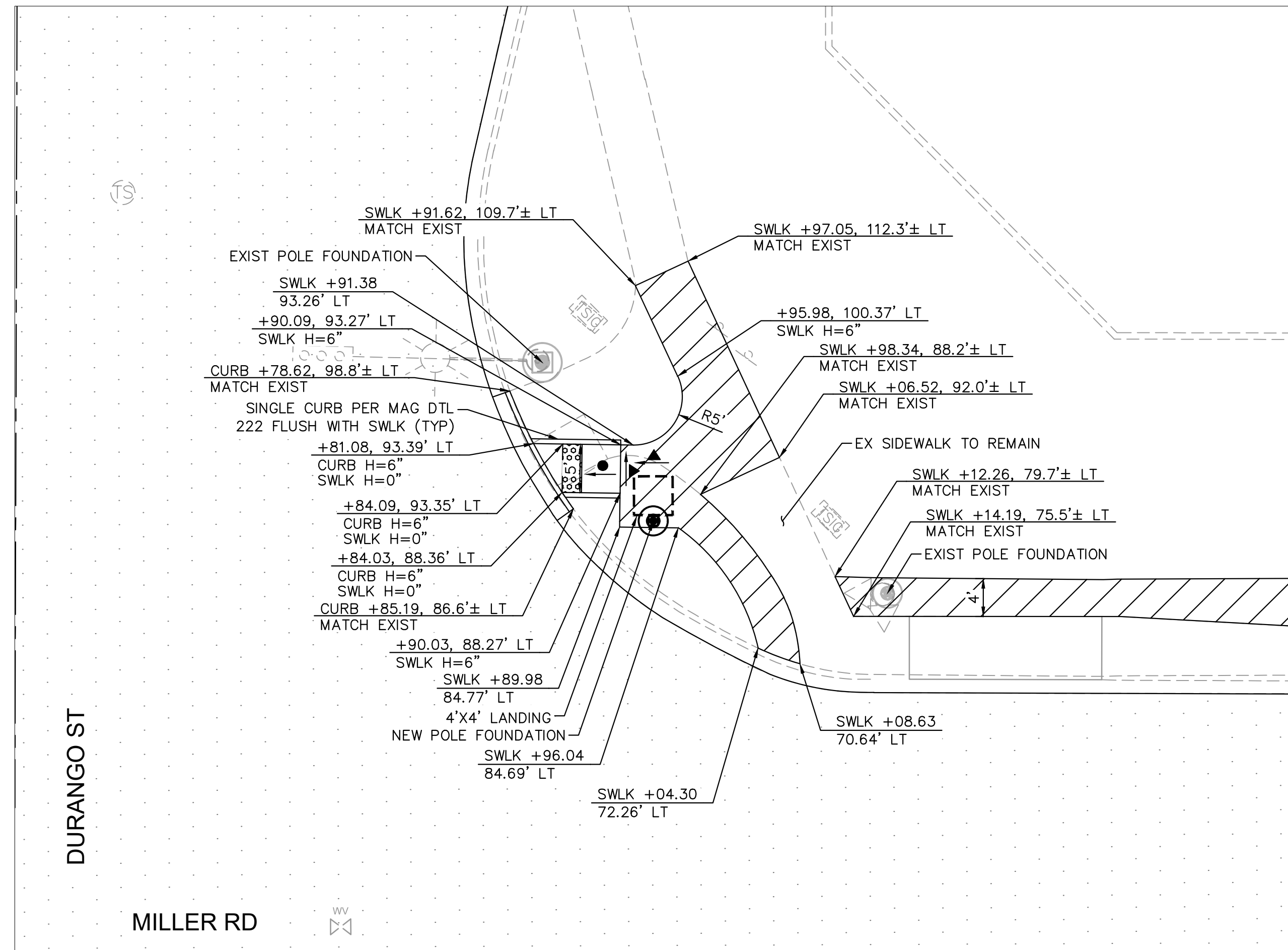
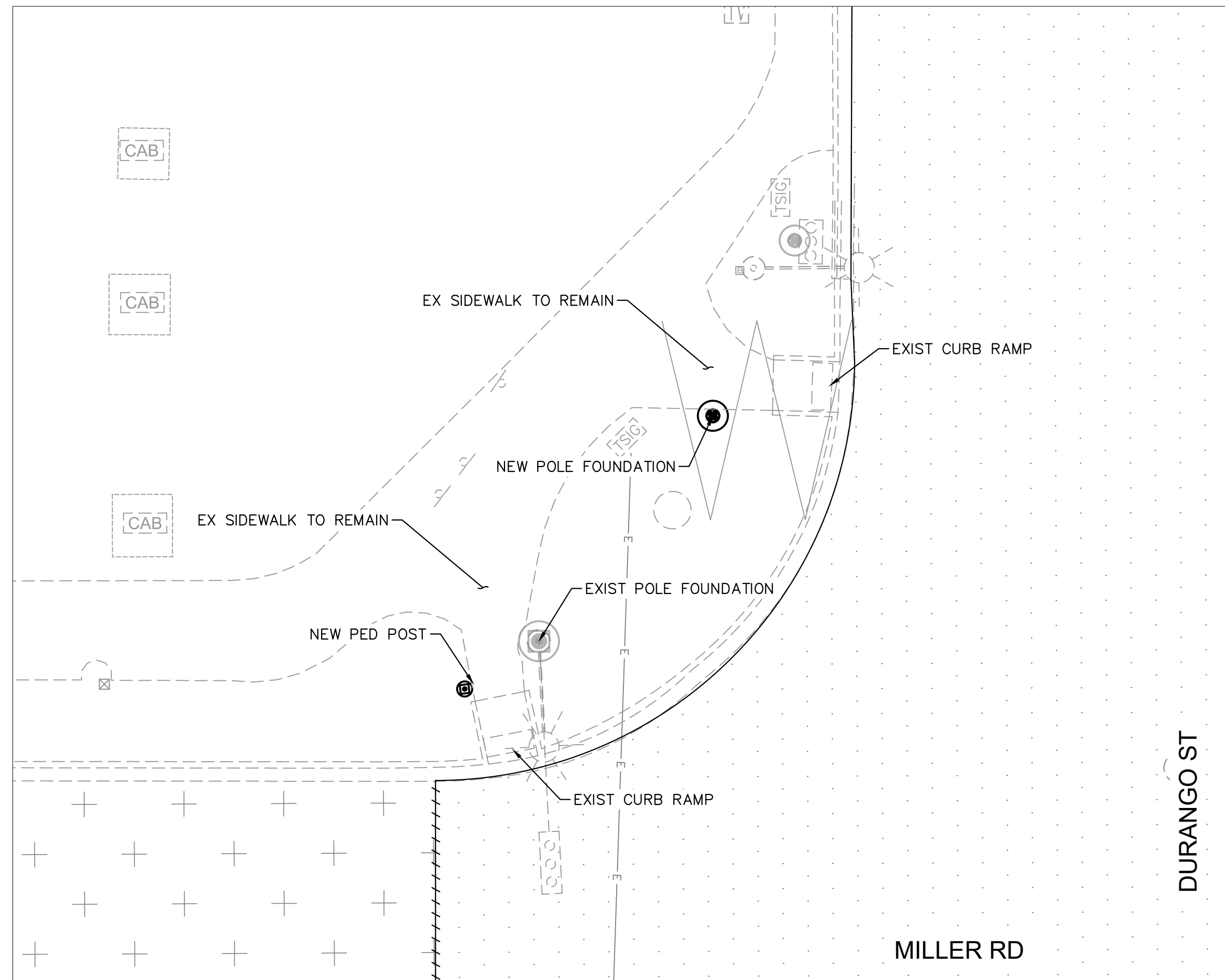
- ▲ 2% MAX SLOPE
- 1.5% DESIRED SLOPE
- 12:1 MAX SLOPE
- 15:1 DESIRED SLOPE

- NOTES:
- ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & AND TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 - CURB RAMPS SHALL CONFORM WITH THE COB DTL 63300-5. RAMPS SHALL CONSIST OF CONCRETE, CLASS A PER MAG SECTION 725, 6" THICK MINIMUM. EXPANSION JOINTS SHALL BE 1/2" THICK PREFORMED BITUMINOUS TYPE PER MAG SECTION 729.
 - DETECTABLE WARNING SHALL BE INCLUDED WITH THE CURB AND SHALL BE IN COMPLIANCE WITH THE COB MASTER APPROVED MATERIALS LIST.

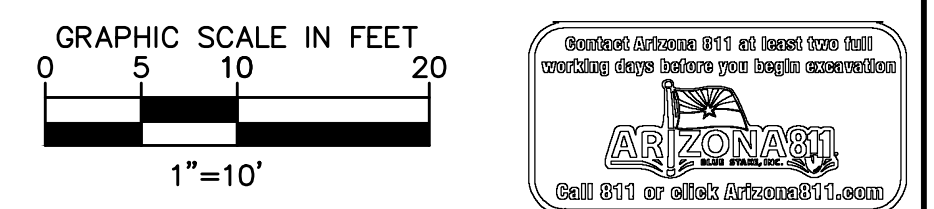


REVISIONS:	
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PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS CURB RAMP DETAILS	
ENGINEER INFORMATION Kimley-Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 45 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING #	
COB PERMIT #	
ENR/MJRCIP-21-003	

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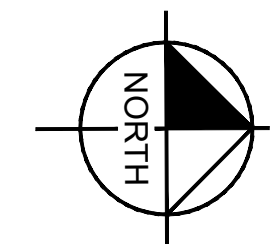
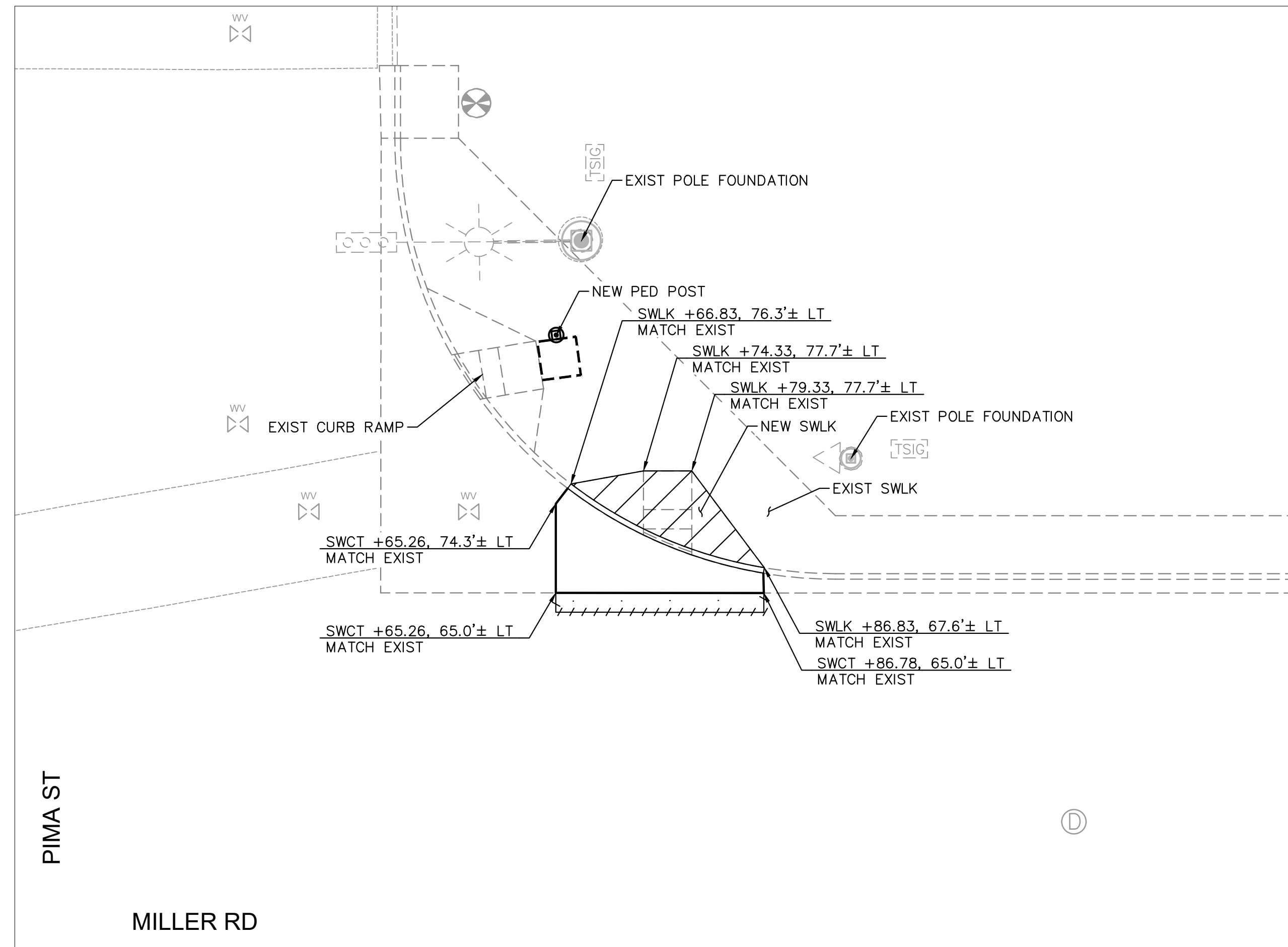
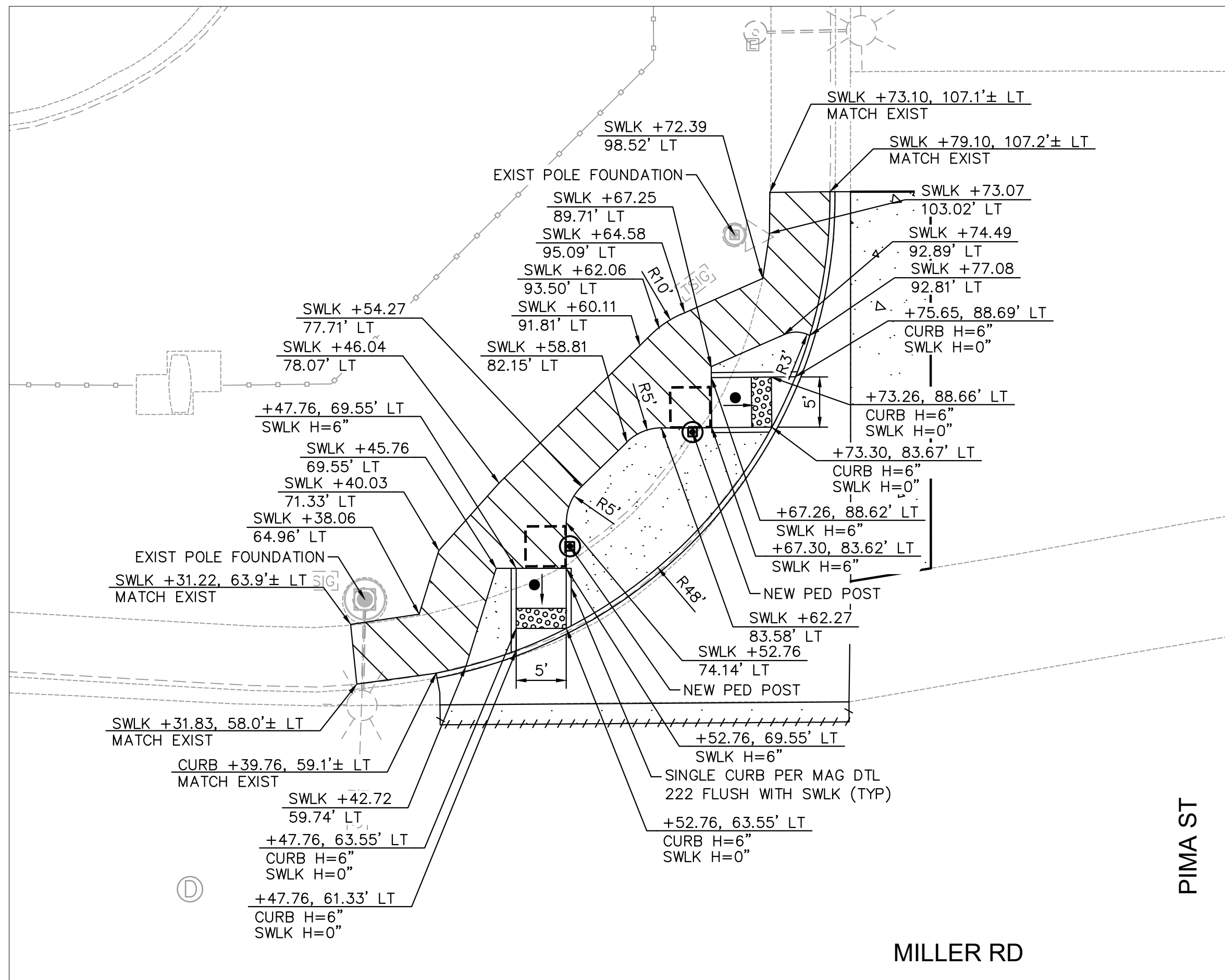
NOTES:
 1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & AND TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.



REVISIONS:	
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PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS CURB RAMP DETAILS	
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 46 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING #	
COB PERMIT #	
ENG/MJRC/P-21-003	

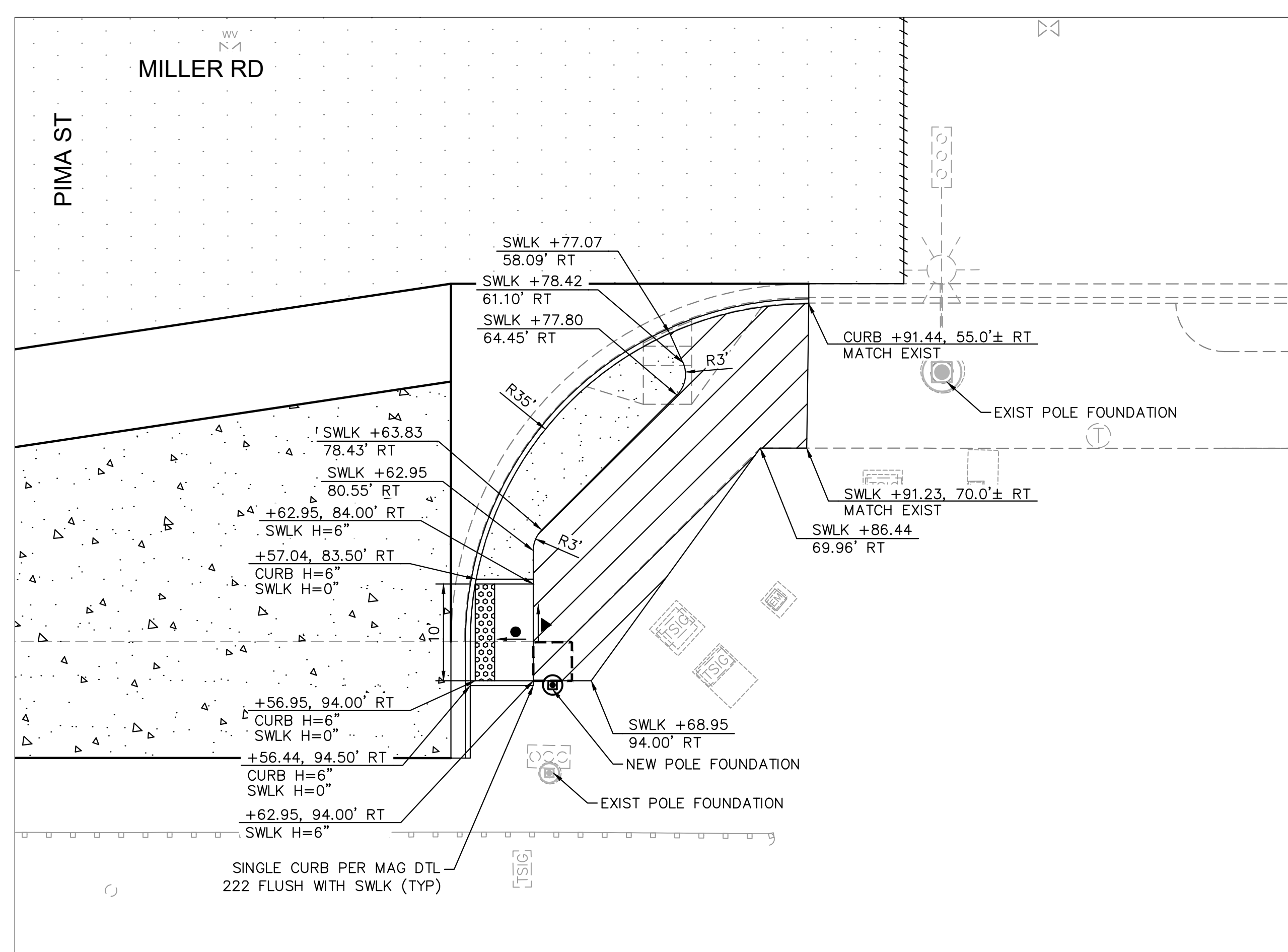
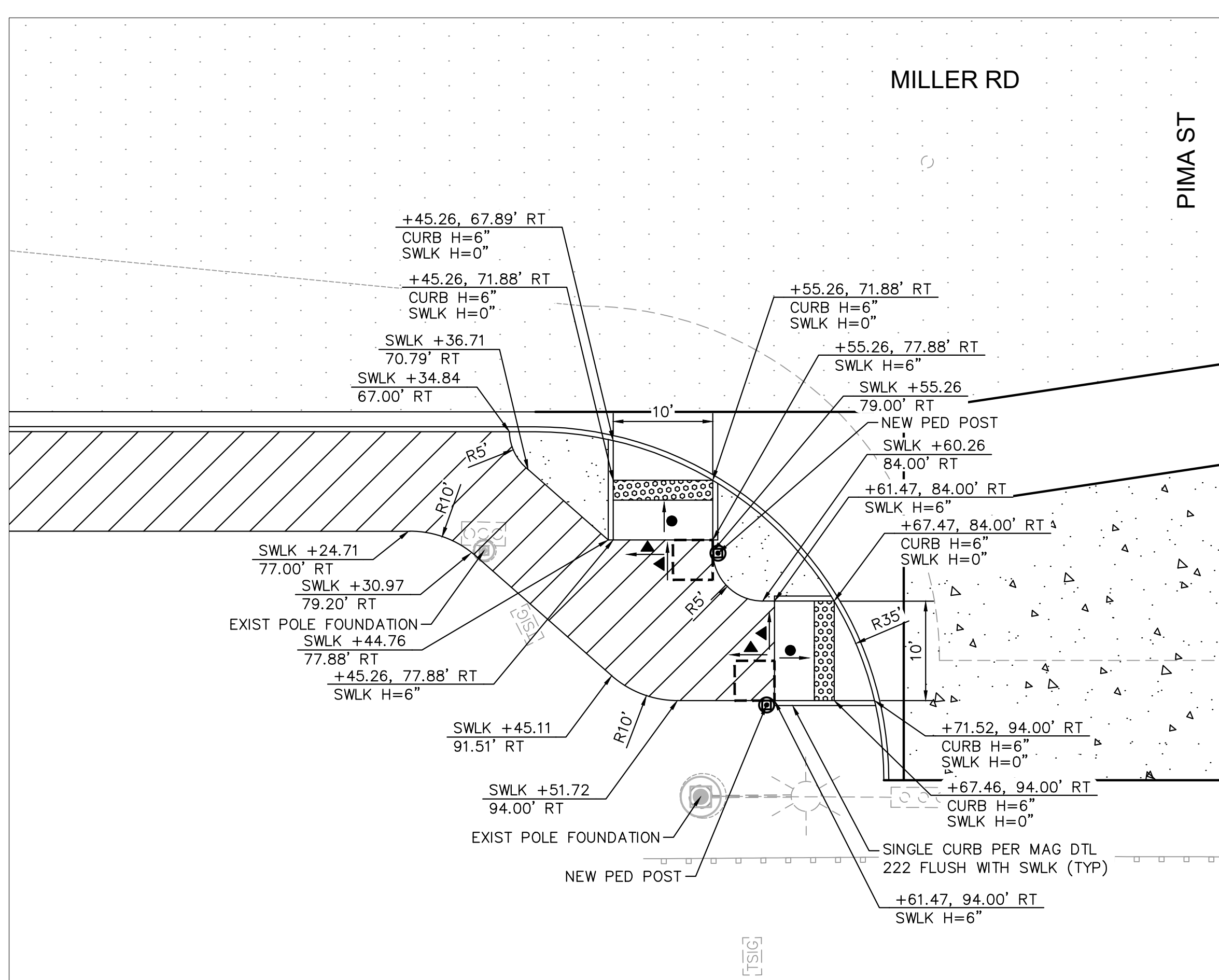
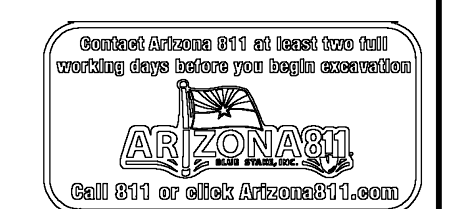
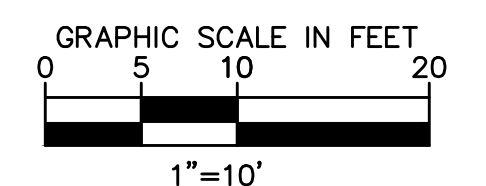
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K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\12-Sheets\Roadway\SW03.dwg | 3/28/2024 | BOTS, LIAM

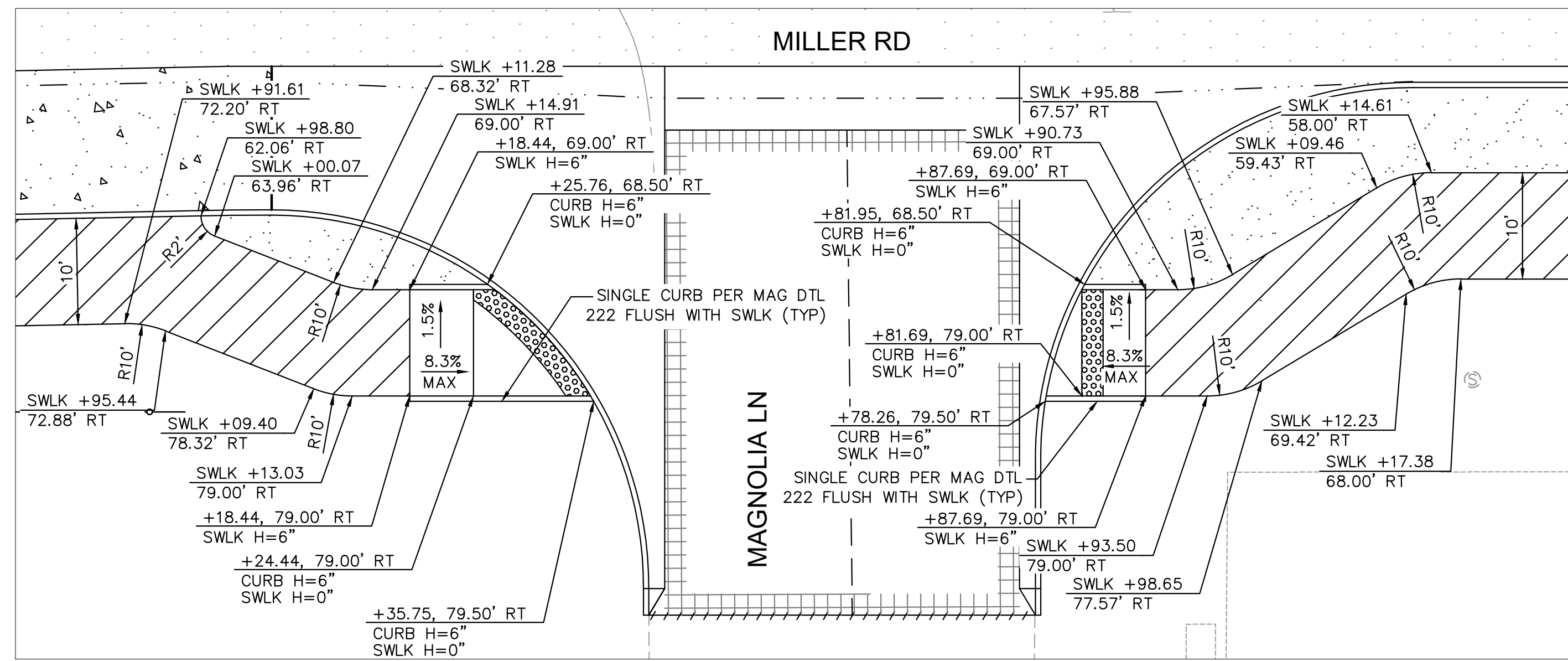


- ▲ 2% MAX SLOPE
1.5% DESIRED SLOPE
- 12:1 MAX SLOPE
15:1 DESIRED SLOPE

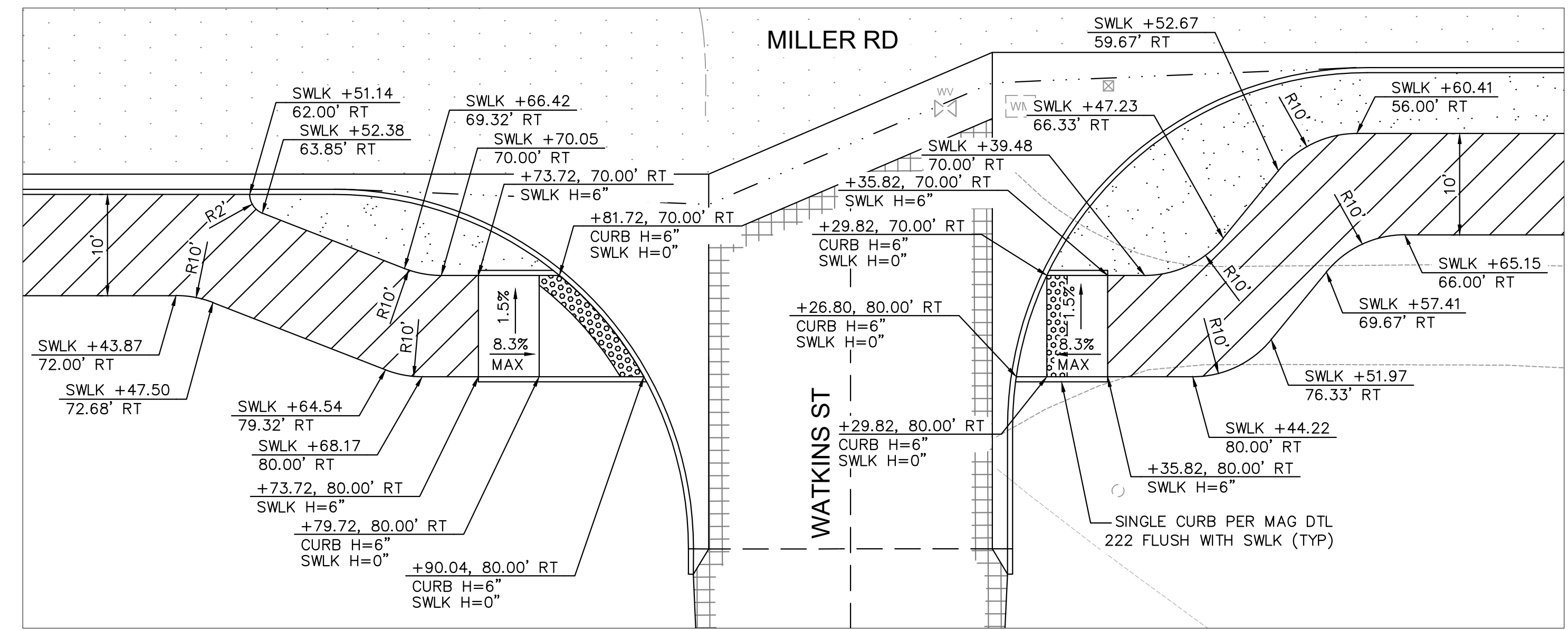
NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.



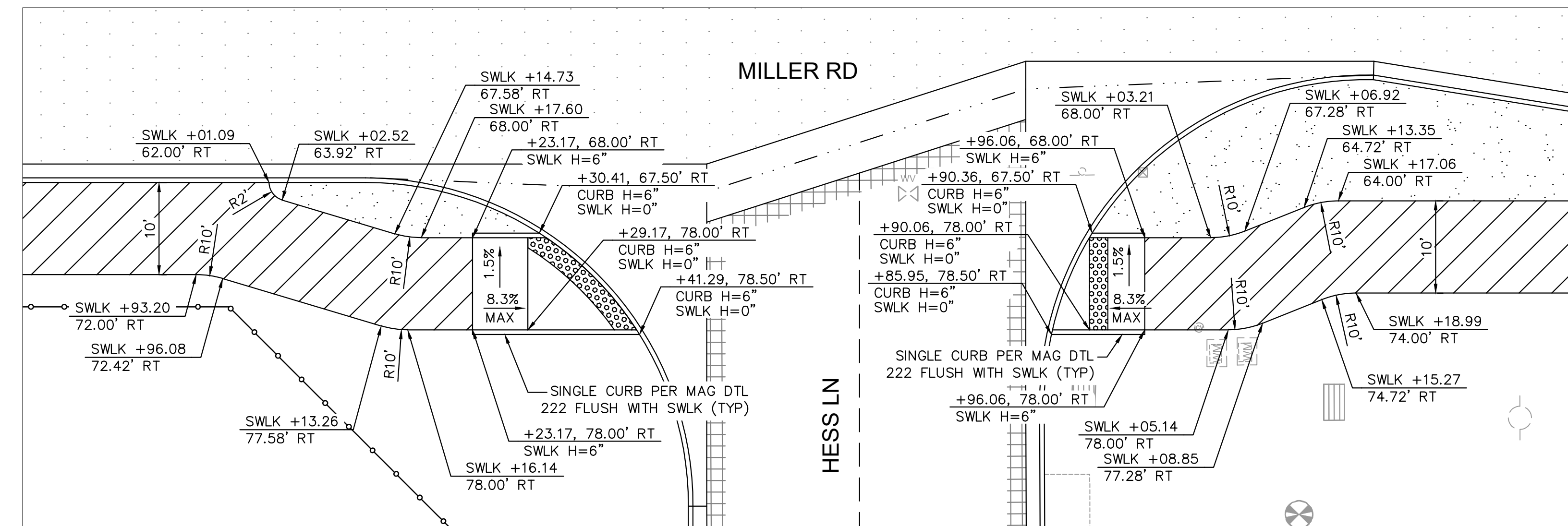
REVISIONS:	
1	
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PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS CURB RAMP DETAILS	
ENGINEER INFORMATION Kimley-Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL Professional Engineer 59453 JOEL VARNER Expires 03/31/27 ARIZONA, USA
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 47 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING #	
COB PERMIT #	
ENGMJRCIP-21-003	



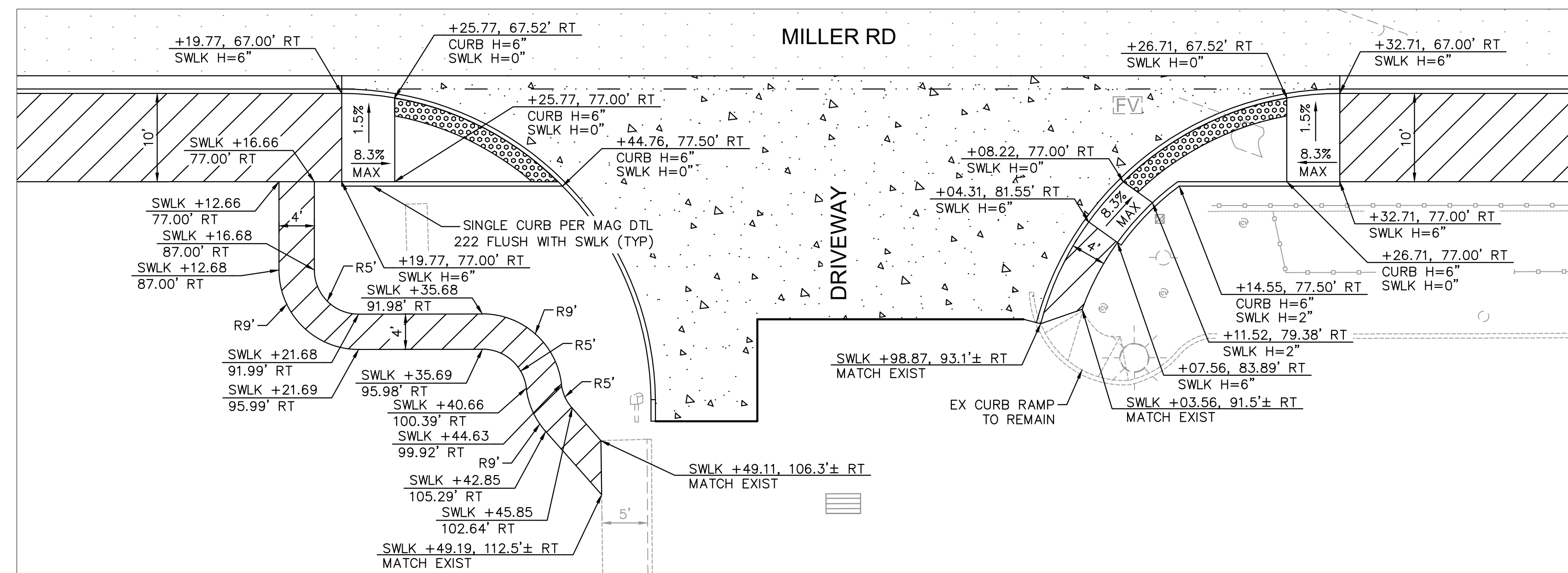
MAGNOLIA LN - STA 36+50



WATKINS ST - STA 43+00

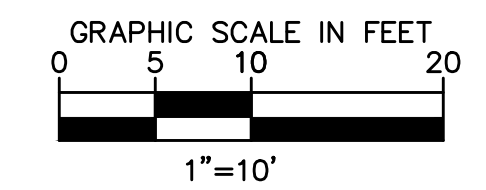
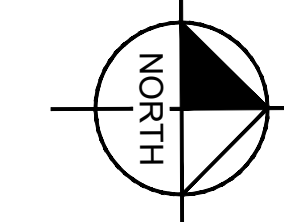


HESS LN - STA 49+65



DRIVEWAY - STA 52+80

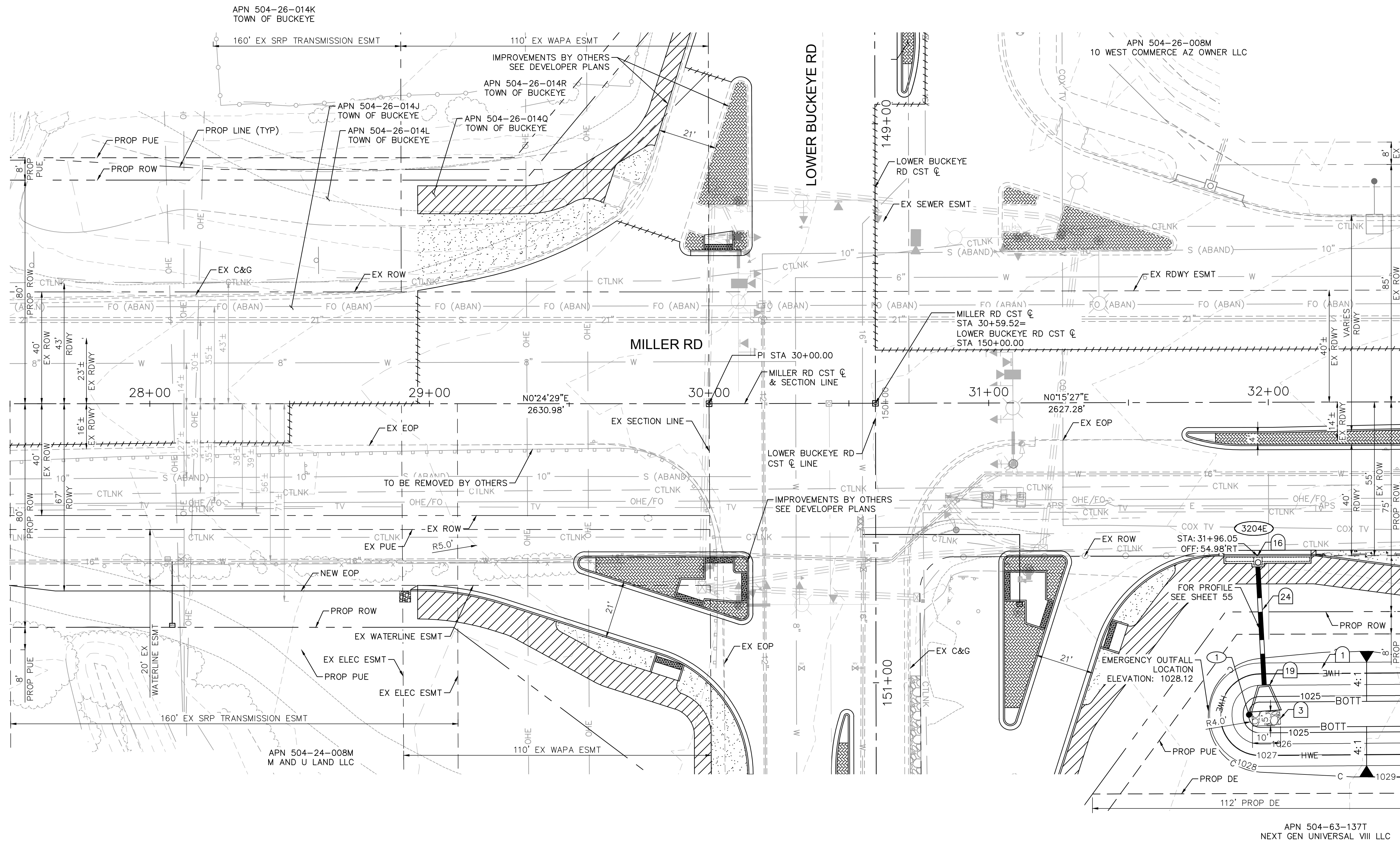
NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST AND TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.



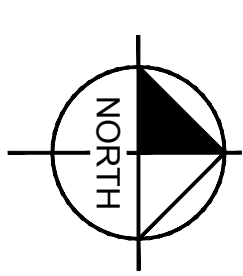
REVISIONS:	
1	
2	
3	
PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS CURB RAMP DETAILS	
ENGINEER INFORMATION: Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE: 3/28/2024	LATEST REVISION DATE:
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 48 OF 133
COB PLAN TRACKING #	COB PERMIT #
N/A	ENGMJRCIP-21-003

FINAL

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\2-Sheets\Drainage\DR01.dwg | 3/28/2024 | CHACOLLA, TANNER



MATCHLINE STA. 32+50 SEE SHEET 50



CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	RETENTION BASIN EXCAVATION	CY	539
3	GROUTED RIPRAP D50=6", T=12"	CY	2
16	CATCH BASIN PER MODIFIED COB DTL B-510, L=17 & L=10 SEE SHEET 56 FOR DETAIL	EA	1
19	HEADWALL PER COB DTL 51200, WITH TRASH RACK PER COB DTL B-508 & HANDRAIL PER COB STD DTL B-110	EA	1
24	18" RGRCP STORM DRAIN, CLASS IV	LF	47

XXX CATCH BASIN ID

NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & AND TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.

GRAPHIC SCALE IN FEET
0 10 20 40
HORIZONTAL
1"=20'



REVISIONS:	
1	
2	
3	

PLAN NAME
**MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
DRAINAGE PLAN**

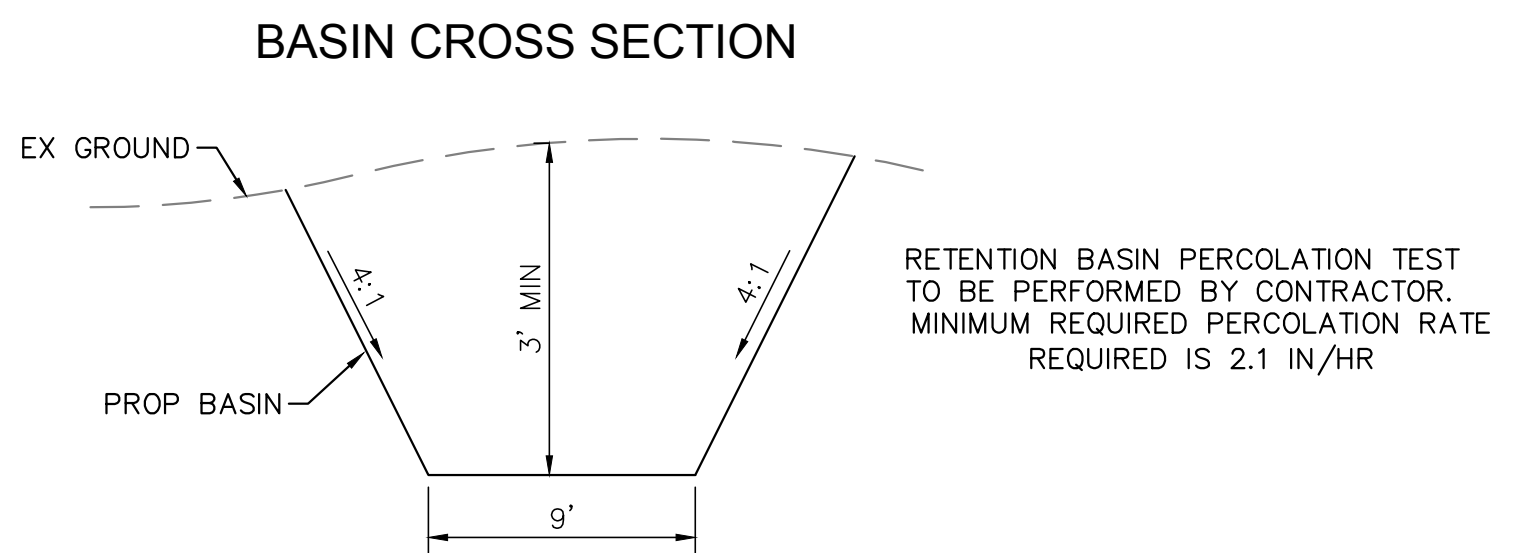
ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL

ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 49 OF 133
COB PLAN TRACKING # N/A	COB PERMIT # ENGMJRCIP-21-003

NO.	STATION	OFFSET	ELEVATION
1	32+96.00	112.00' RT	1024.56

BASIN ID	3204E
BOTT.	1024.6
HWE	1027.1
V _{REQ}	6,534 CU-FT
V _{PRO}	9,583 CU-FT

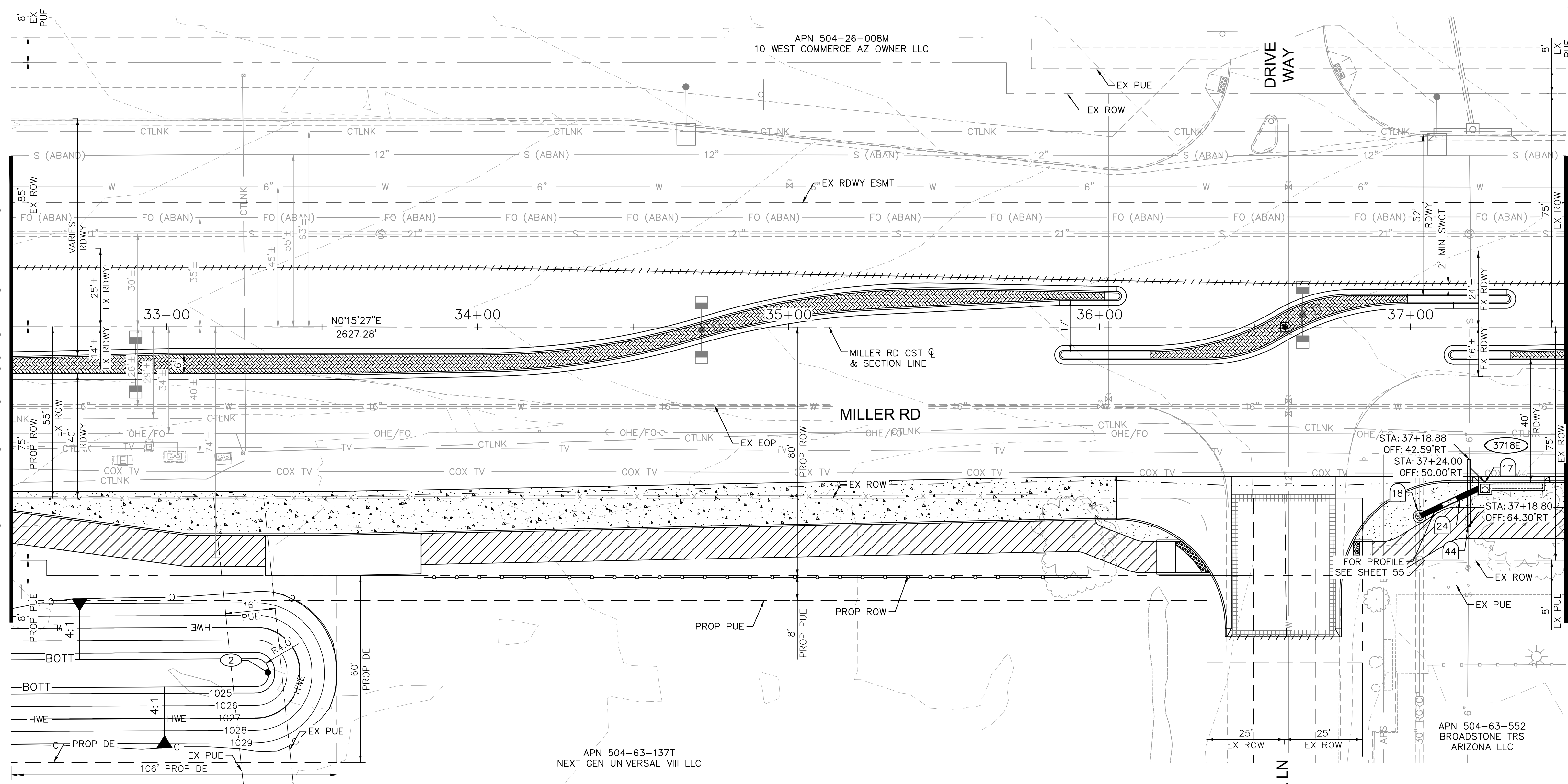


SUBMITTAL: FINAL

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\2-Sheets\Drainage\DR02.dwg | 3/28/2024 | CHAGOLLA, TANNER

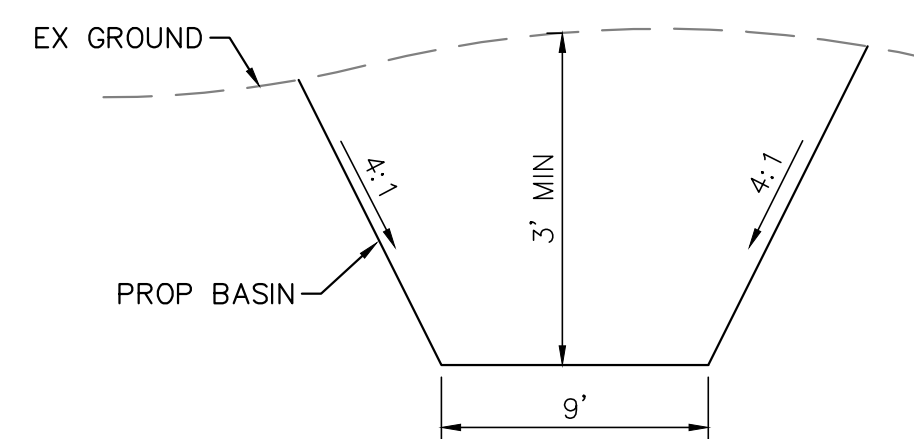
MATCHLINE STA. 32+50 SEE SHEET 49

MATCHLINE STA. 37+50 SEE SHEET 51



RETENTION BASIN TABLE			
NO.	STATION	OFFSET	ELEVATION
②	33+29.00	112.00' RT	1024.56

BASIN CROSS SECTION

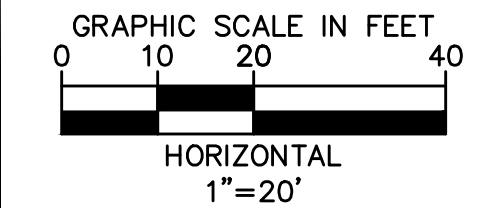


RETENTION BASIN PERCOLATION TEST TO BE PERFORMED BY CONTRACTOR. MINIMUM REQUIRED PERCOLATION RATE REQUIRED IS 2.1 IN/HR

CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY
17	CATCH BASIN PER MODIFIED COB DTL B-510, L=17 SEE SHEET 56 FOR DETAIL	EA	1
18	MANHOLE PER MAG DTL 520 & 522, WITH 30" FRAME AND COVER PER MAG DTL 423-2	EA	1
24	18" RGRCP STORM DRAIN, CLASS IV	LF	24
44	CONCRETE ENCASUREMENT W/O REINFORCEMENT 6" SEWER PIPE, MAG DET 404	LF	20

XXX CATCH BASIN ID
 NOTES:
 1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.



REVISIONS:

- 1
- 2
- 3

PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 DRAINAGE PLAN**

ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL
 COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
 DESIGN SEAL

 Expires 06/30/2025

ORIGINAL PLAN DATE
 3/28/2024
 LATEST REVISION DATE

PROJECT NUMBER
 CIP #105260
 SHEET NUMBER
 50 OF 133

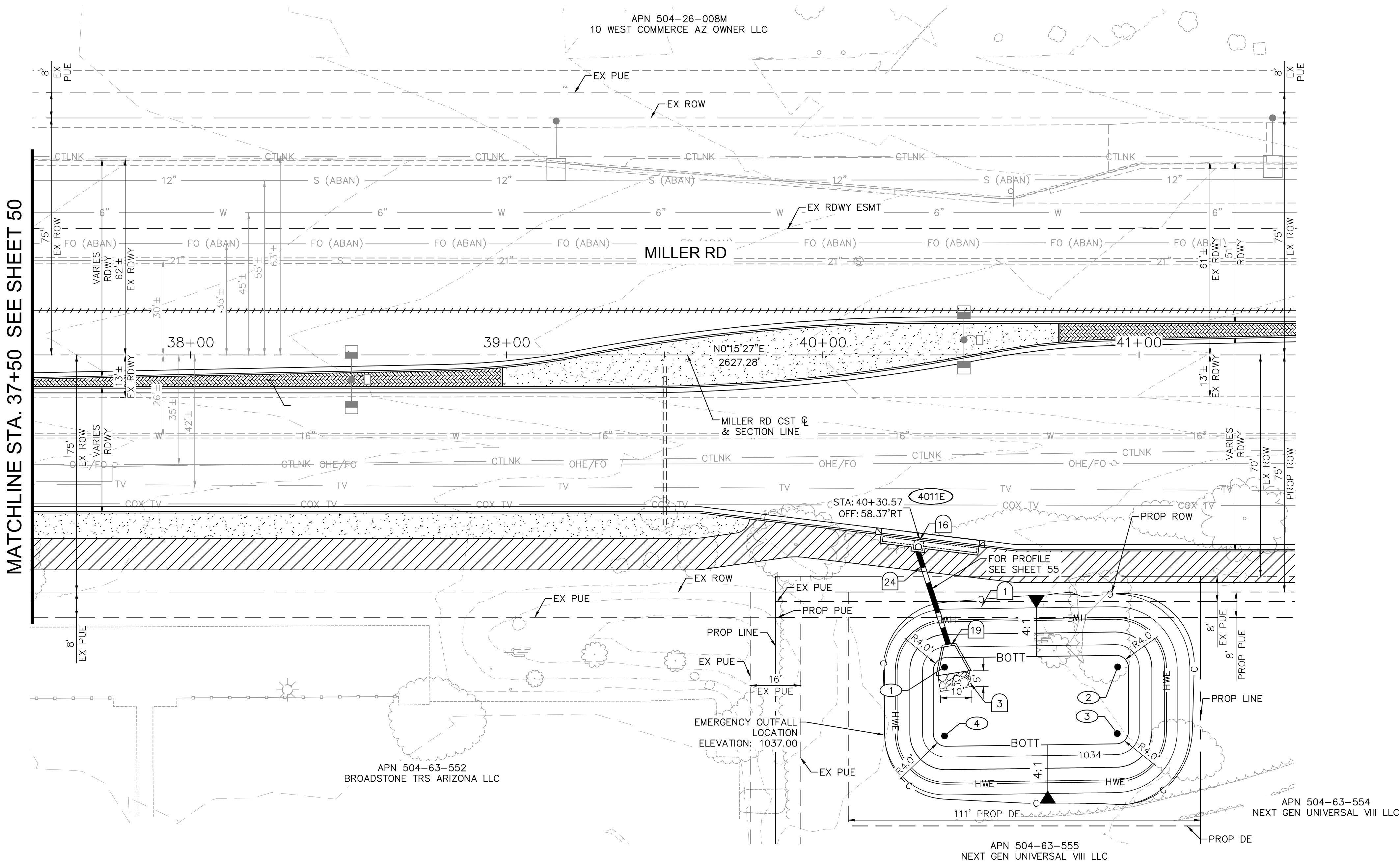
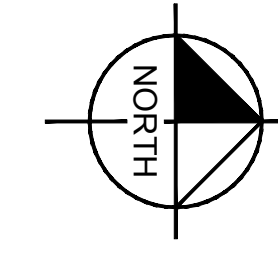
FINAL

COB PLAN TRACKING #
 N/A
 COB PERMIT #
 ENGMJRCIP-21-003

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\12-Sheets\Drainage\DR03.dwg | 3/28/2024 | CHAGOLLA, TANNER

CONSTRUCTION NOTES

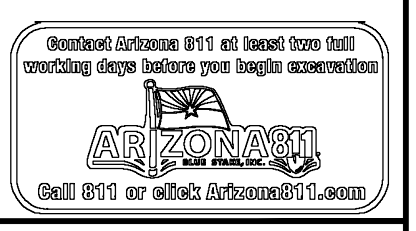
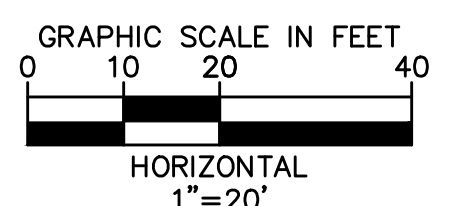
NO	DESCRIPTION	UNIT	QTY
1	RETENTION BASIN EXCAVATION	CY	382
3	GROUTED RIPRAP D50=6", T=12"	CY	2
16	CATCH BASIN PER MODIFIED COB DTL B-510, L=17 & L=10 SEE SHEET 56 FOR DETAIL	EA	1
19	HEADWALL PER COB DTL 51200, WITH TRASH RACK PER COB DTL B-508 & HANDRAIL PER COB STD DTL B-110	EA	1
24	18" RGRCP STORM DRAIN, CLASS IV	LF	35



MATCHLINE STA. 37+50 SEE SHEET 50

XXX CATCH BASIN ID

NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.



REVISIONS:

- 1
- 2
- 3

PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
DRAINAGE PLAN

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL
COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
DESIGN SEAL
Zachary R. Schmidt
Professional Engineer
No. 50959
ZACHARY R. SCHMIDT
AZ 037262
ARIZONA, U.S.A.
Expires 06/30/2025

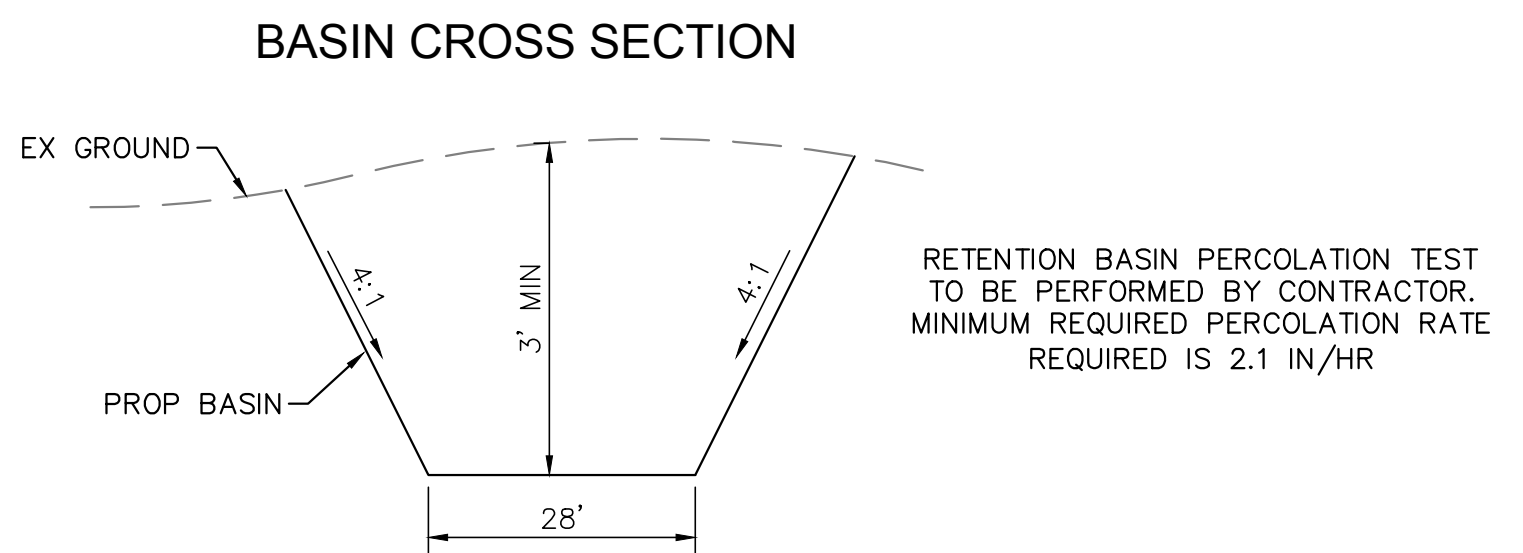
ORIGINAL PLAN DATE: 3/28/2024
LATEST REVISION DATE:
PROJECT NUMBER: CIP #105260
SHEET NUMBER: 51 OF 133

SUBMITTAL: FINAL

COB PLAN TRACKING #
N/A
COB PERMIT #
ENGMJRCIP-21-003

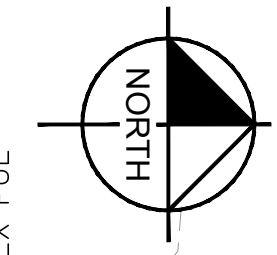
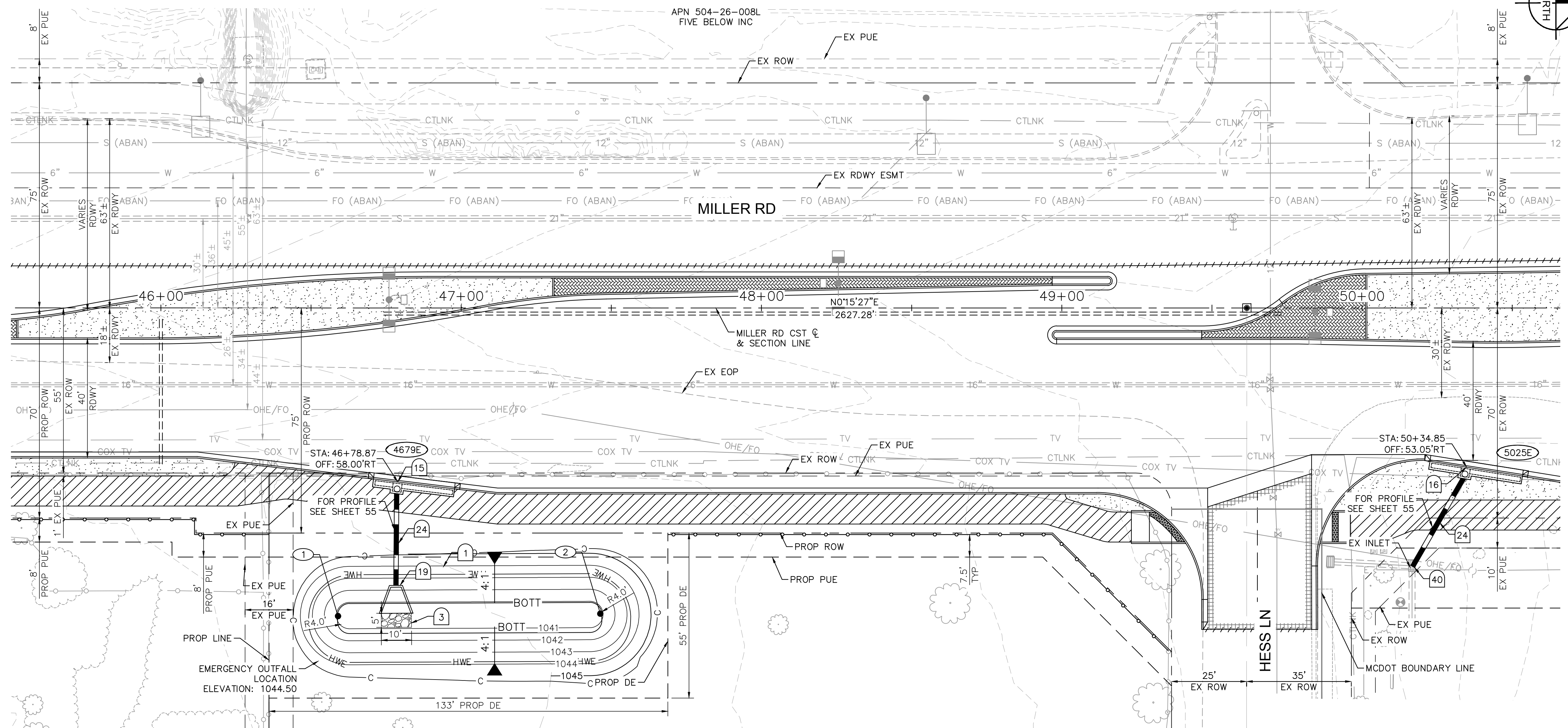
NO.	STATION	OFFSET	ELEVATION
1	40+39.00	100.00' RT	1033.15
2	40+92.75	99.00' RT	1033.15
3	40+92.75	119.00' RT	1033.15
4	40+39.00	120.00' RT	1033.15

BASIN ID	4011E
BOTT.	1033.2
HWE	1036.2
V _{REQ}	9,147 CU-FT
V _{PRO}	9,158 CU-FT



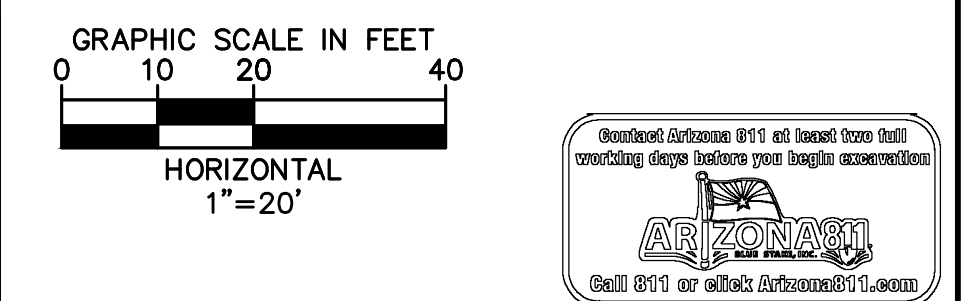
CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY
1	RETENTION BASIN EXCAVATION	CY	372
3	GROUTED RIPRAP D50=6", T=12"	CY	2
15	CATCH BASIN PER MODIFIED COB DTL B-510, L=17 & L=6 SEE SHEET 56 FOR DETAIL	EA	1
16	CATCH BASIN PER MODIFIED COB DTL B-510, L=17 & L=10 SEE SHEET 56 FOR DETAIL	EA	1
19	HEADWALL PER COB DTL 51200, WITH TRASH RACK PER COB DTL B-508 & HANDRAIL PER COB STD DTL B-110	EA	1
24	18" RGRCP STORM DRAIN, CLASS IV	LF	72
40	PIPE PENETRATION PER DETAIL, SEE SHEET 56	NPI	1



XXX CATCH BASIN ID

NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.



REVISIONS:

- 1
- 2
- 3

PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
DRAINAGE PLAN

ENGINEER INFORMATION
Kimley»Horn

7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL
COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
DESIGN SEAL

ORIGINAL PLAN DATE
3/28/2024

LATEST REVISION DATE

PROJECT NUMBER
CIP #105260

SHEET NUMBER
52 OF 133

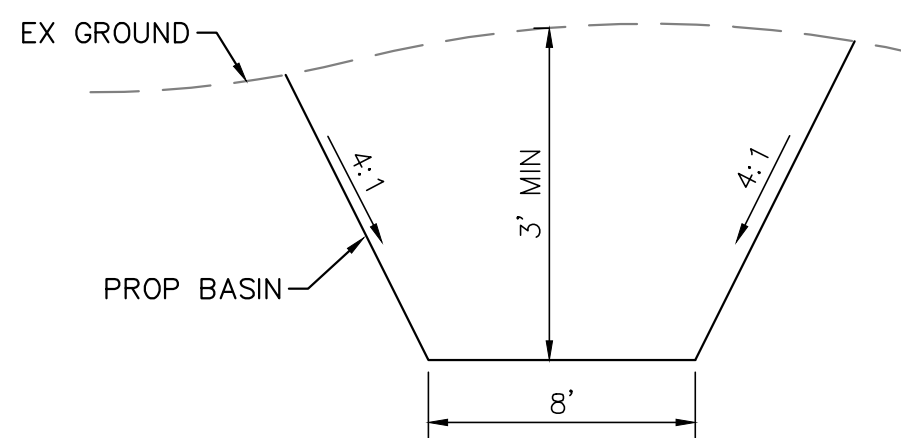
SUBMITTAL: FINAL

COB PLAN TRACKING #
N/A
COB PERMIT #
ENGMJRCIP-21-003

NO.	STATION	OFFSET	ELEVATION
1	46+63.00	102.50' RT	1040.90
2	47+43.00	102.50' RT	1040.90

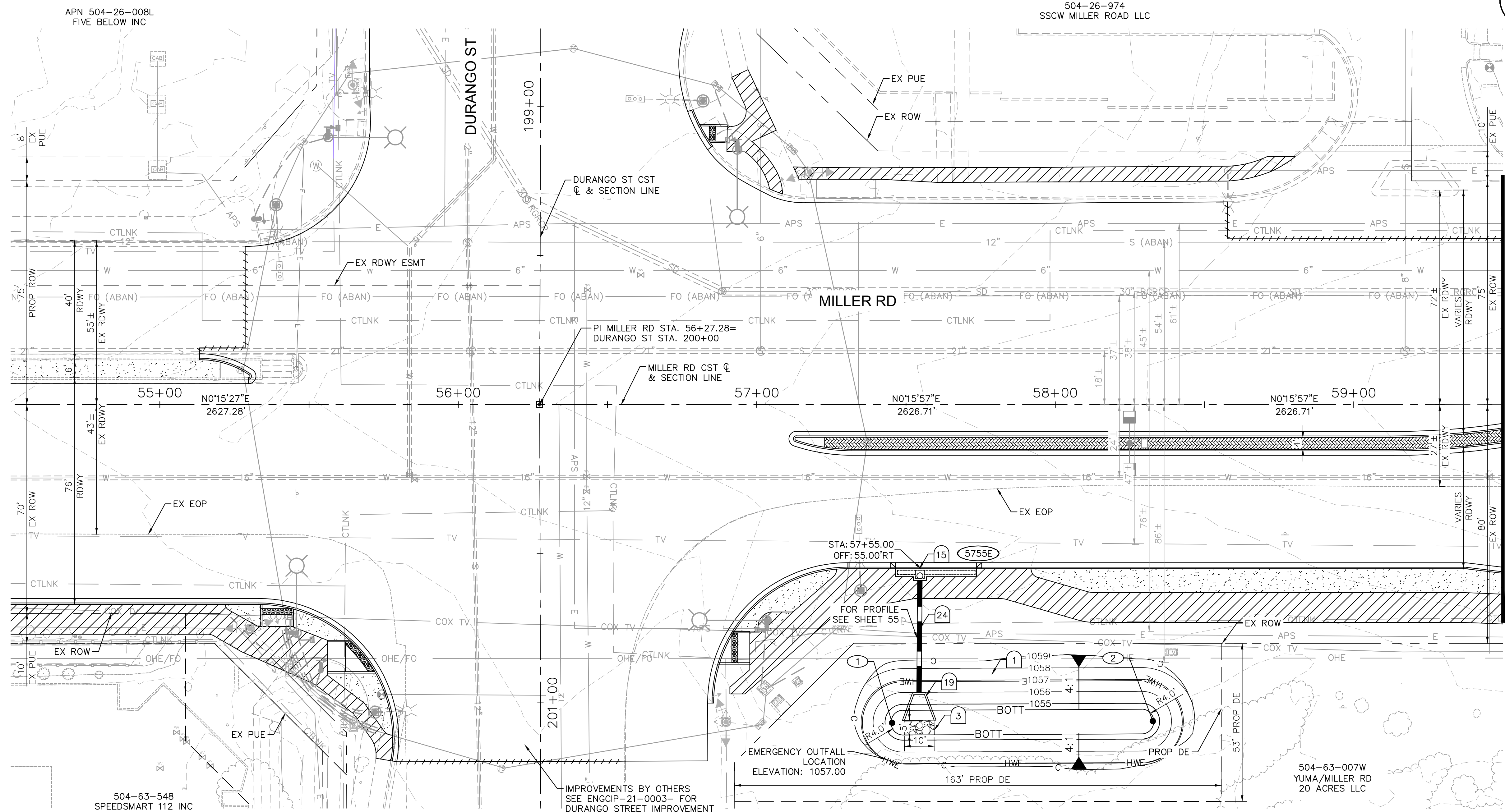
BASIN ID	4679E
BOTT.	1040.9
HWE	1043.3
V _{REQ}	3,920 CU-FT
V _{PRO}	6,098 CU-FT

BASIN CROSS SECTION



RETENTION BASIN PERCOLATION TEST TO BE PERFORMED BY CONTRACTOR. MINIMUM REQUIRED PERCOLATION RATE REQUIRED IS 2.1 IN/HR

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\12-Sheets\Drainage\DR05.dwg | 3/28/2024 | CHAGOLLA, TANNER

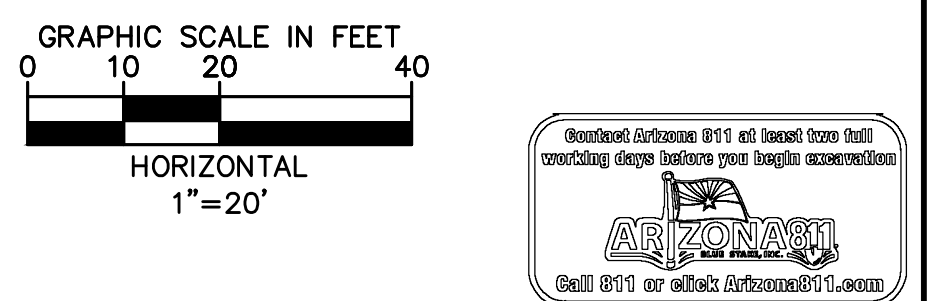


MATCHLINE STA. 59+50 SEE SHEET 54

CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	RETENTION BASIN EXCAVATION	CY	286
3	GROUTED RIPRAP D50=6", T=12"	CY	2
15	CATCH BASIN PER MODIFIED COB DTL B-510, L=17 & L=6 SEE SHEET 56 FOR DETAIL	EA	1
19	HEADWALL PER COB DTL 51200, WITH TRASH RACK PER COB DTL B-508 & HANDRAIL PER COB STD DTL B-110	EA	1
24	18" RGRCP STORM DRAIN, CLASS IV	LF	42

XXX CATCH BASIN ID

NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.



REVISIONS:	
1	
2	
3	

PLAN NAME
**MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
DRAINAGE PLAN**

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
------------------------------	-------------------------------

AS-BUILT SEAL	DESIGN SEAL
---------------	-----------------

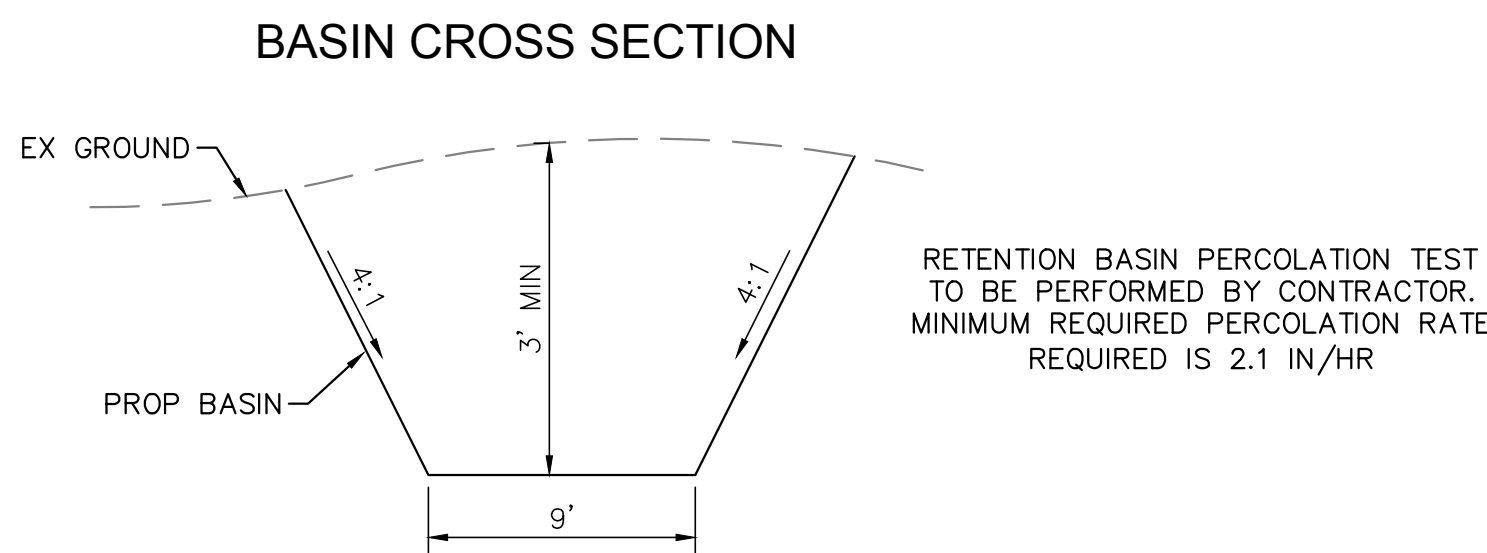
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 53 OF 133

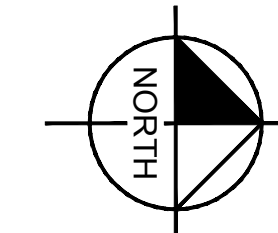
SUBMITTAL: **FINAL**

COB PLAN TRACKING #
N/A
ENG PERMIT #
ENGMJRCIP-21-003

NO.	STATION	OFFSET	ELEVATION
1	57+48.50	107.00' RT	1054.50
2	58+29.25	107.00' RT	1054.50

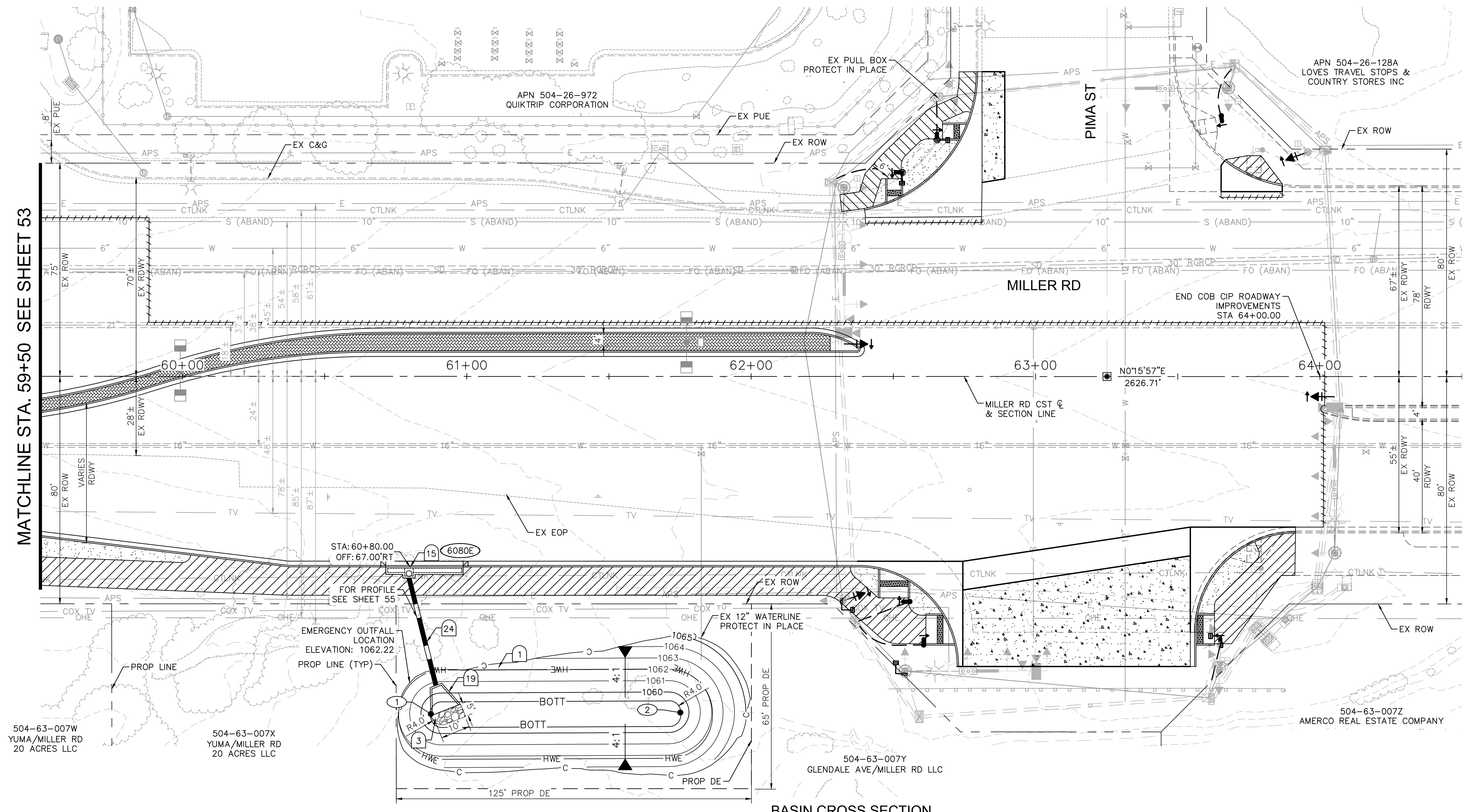
BASIN ID	5755E
BOTT.	1054.5
HWE	1056.9
V _{REQ}	3,485 CU-FT
V _{PRO}	6,098 CU-FT





CONSTRUCTION NOTES

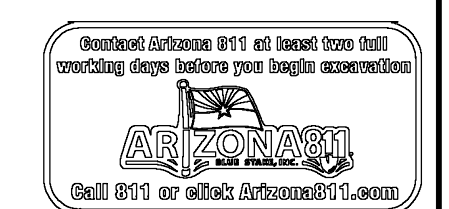
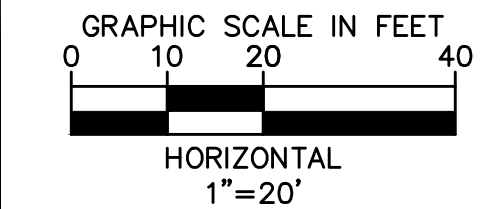
NO	DESCRIPTION	UNIT	QTY
1	RETENTION BASIN EXCAVATION	CY	399
3	GROUTED RIPRAP D50=6", T=12"	CY	2
15	CATCH BASIN PER MODIFIED COB DTL B-510, L=17 & L=6 SEE SHEET 56 FOR DETAIL	EA	1
19	HEADWALL PER COB DTL 51200, WITH TRASH RACK PER COB DTL B-508 & HANDRAIL PER COB STD DTL B-110	EA	1
24	18" RGRCP STORM DRAIN, CLASS IV	LF	43



MATCHLINE STA. 59+50 SEE SHEET 53

XXX CATCH BASIN ID

NOTES:
1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST & TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.



REVISIONS:

- 1
- 2
- 3

PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
DRAINAGE PLAN

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL
COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
DESIGN SEAL

ORIGINAL PLAN DATE
3/28/2024

LATEST REVISION DATE

PROJECT NUMBER
CIP #105260

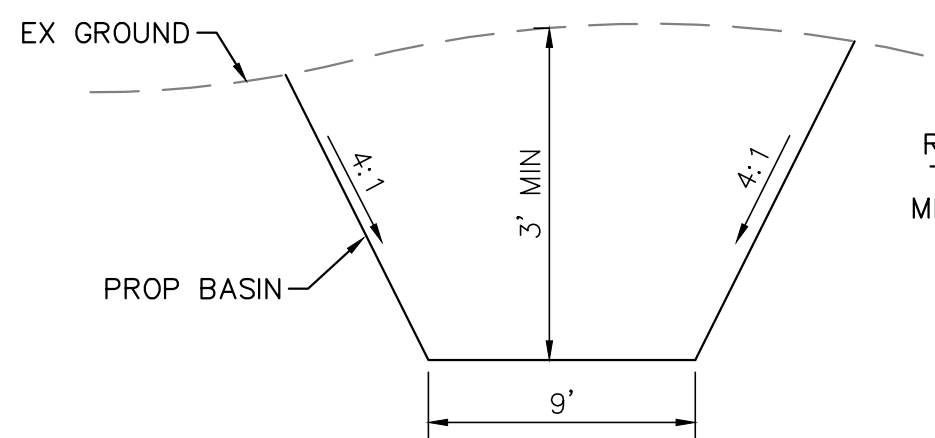
SHEET NUMBER
54 OF 133

SUBMITTAL: FINAL

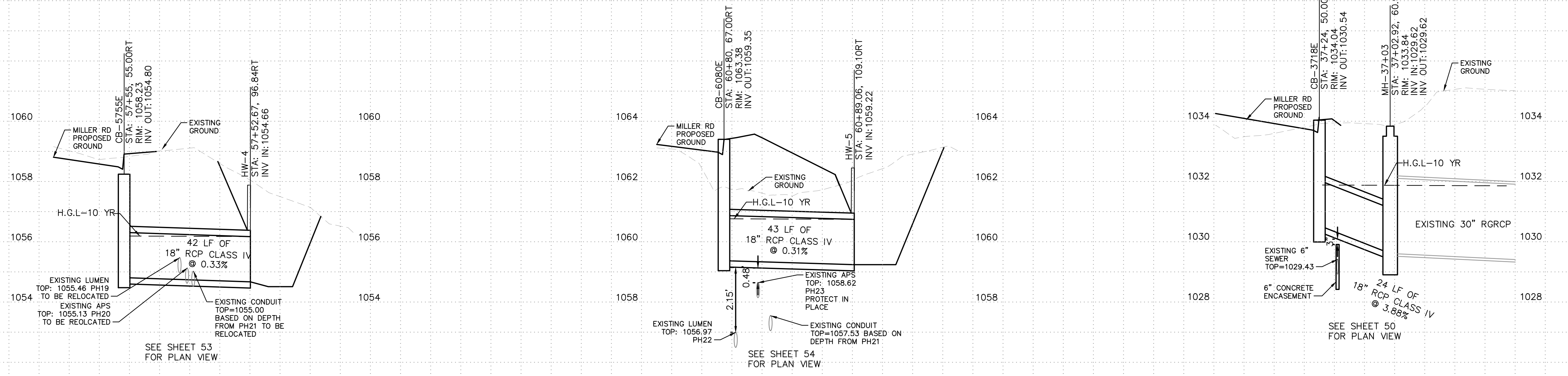
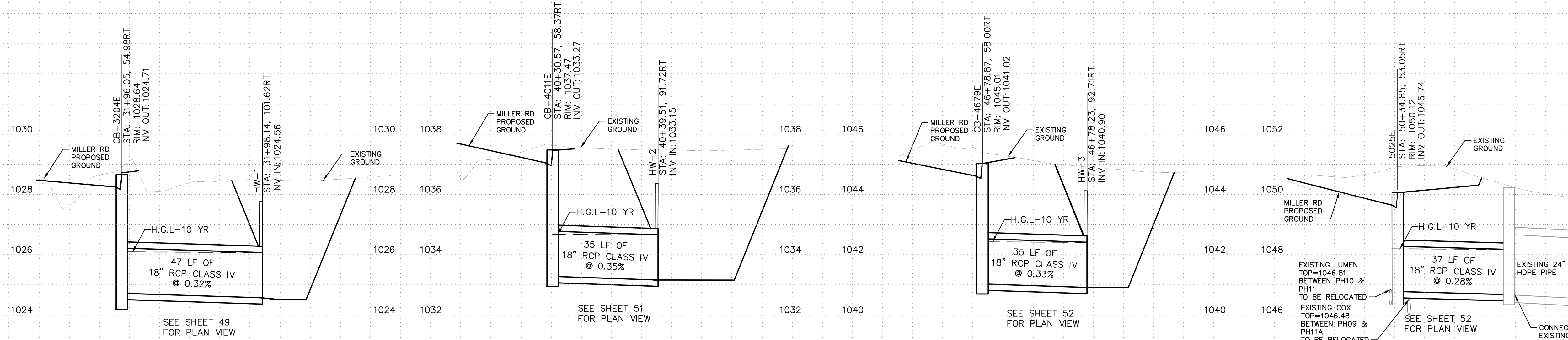
COB PLAN TRACKING #
N/A
COB PERMIT #
ENGMJRCIP-21-003

NO.	STATION	OFFSET	ELEVATION
1	60+91.25	119.00' RT	1059.22
2	61+71.505	119.00' RT	1059.22

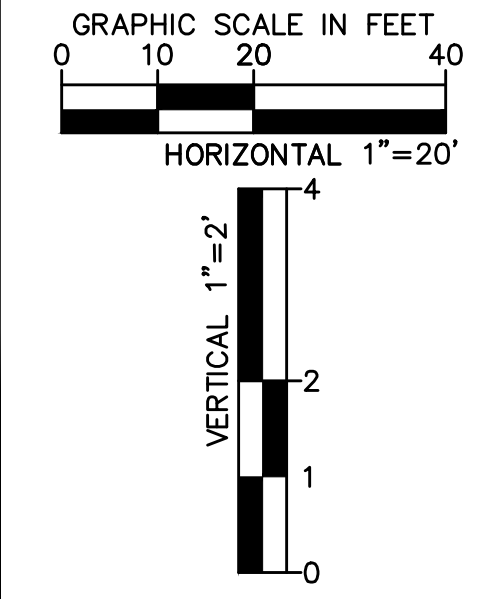
BASIN ID	6080E
BOTT.	1059.2
HWE	1062.0
V _{REQ}	4,356 CU-FT
V _{PRO}	6,360 CU-FT



RETENTION BASIN PERCOLATION TEST TO BE PERFORMED BY CONTRACTOR. MINIMUM REQUIRED PERCOLATION RATE REQUIRED IS 2.1 IN/HR

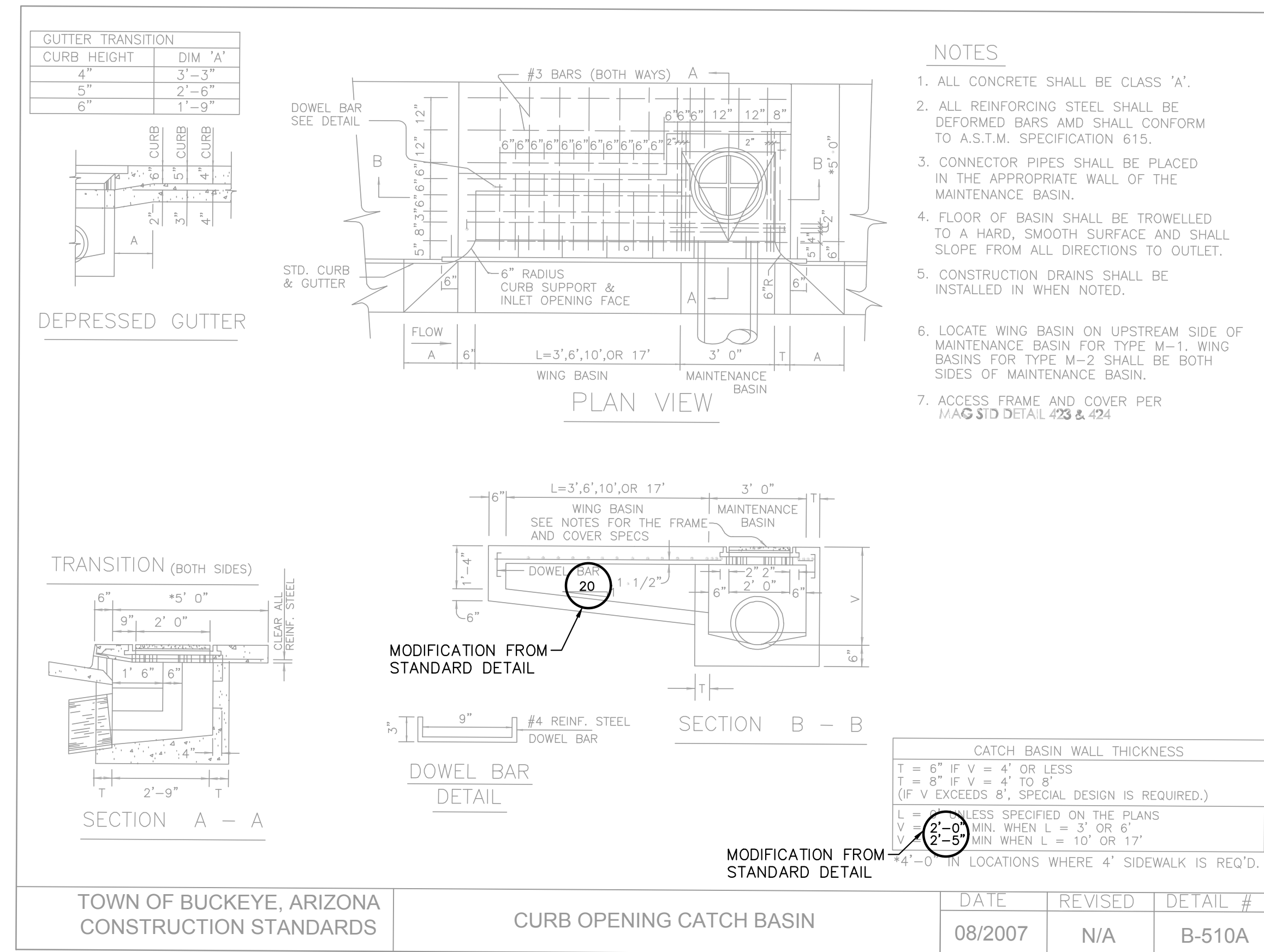


NOTES:
 1. ALL STATIONS AND OFFSETS ARE IN REFERENCE TO THE MILLER RD CST @ AND TAKEN TO THE BACK OF CURB UNLESS OTHERWISE NOTED.



REVISIONS:	
1	
2	
3	
PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS CONNECTOR PIPE PROFILES	
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL <i>Zachary R. Schmidt</i> 50859 ZACHARY R. SCHMIDT Professional Engineer AZ License No. 50859 AZ 03/2023 ARIZONA, USA Expires 06/30/2025
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 55 OF 133
COB PLAN TRACKING # N/A	COB PERMIT # ENGMJRCIP-21-003

SUBMITTAL: FINAL

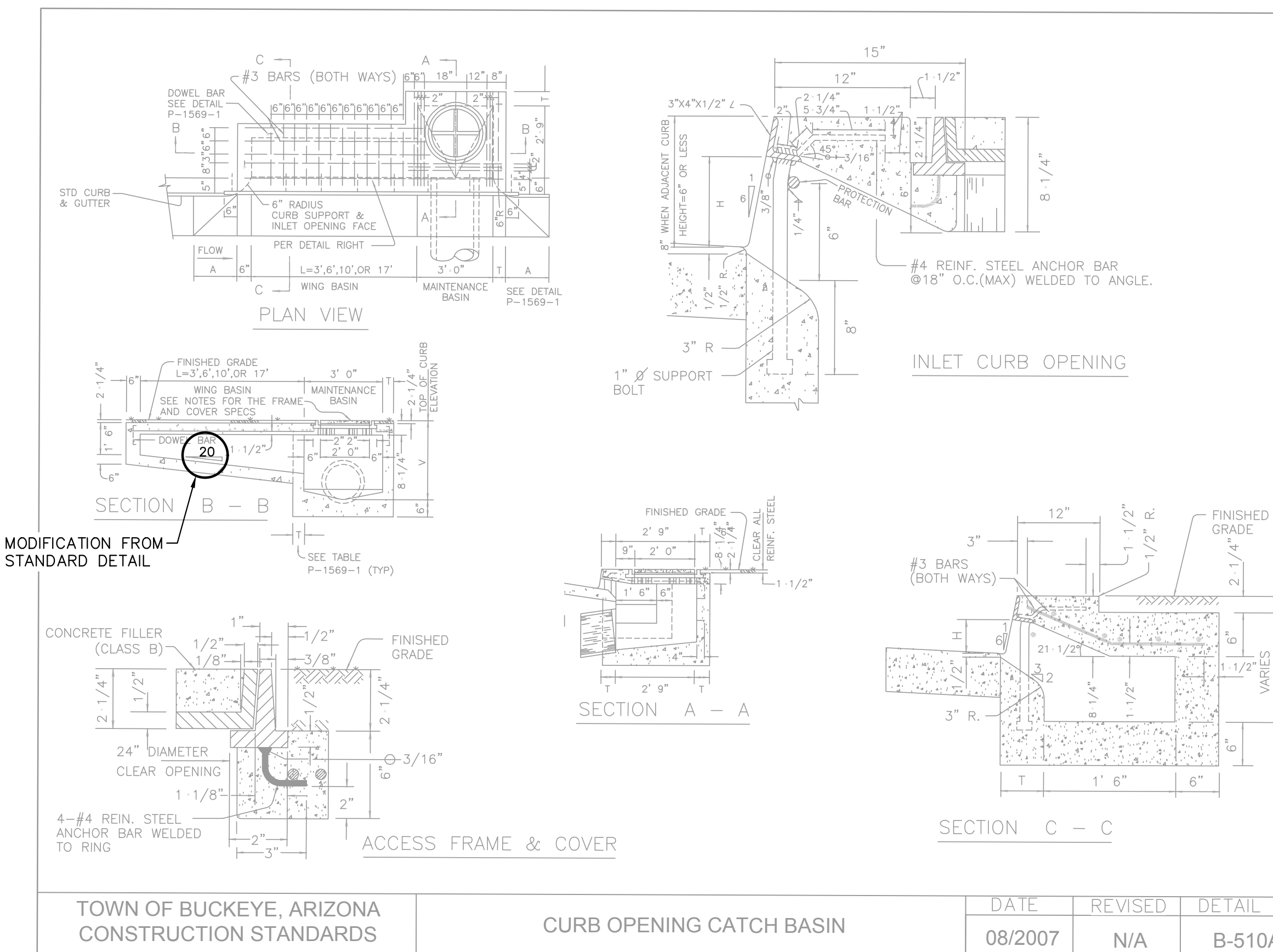


TOWN OF BUCKEYE, ARIZONA
CONSTRUCTION STANDARDS

CURB OPENING CATCH BASIN

DATE	REVISED	DETAIL #
08/2007	N/A	B-510A

COB B-510B MODIFIED
CATCH BASIN DETAIL

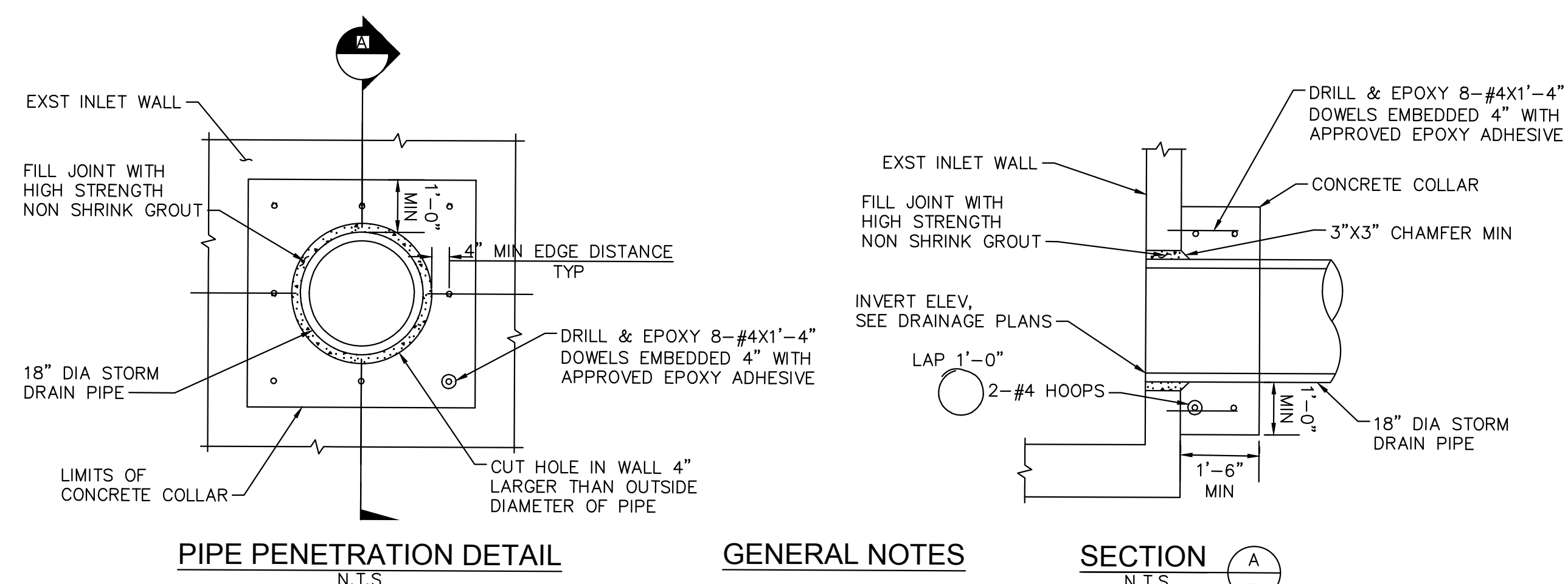


TOWN OF BUCKEYE, ARIZONA
CONSTRUCTION STANDARDS

CURB OPENING CATCH BASIN

DATE	REVISED	DETAIL #
08/2007	N/A	B-510A

COB B-510B MODIFIED
CATCH BASIN DETAIL



PIPE PENETRATION DETAIL
N.T.S.

GENERAL NOTES

- ALL CONCRETE SHALL BE MIN $F_c = 3000$ PSI
- ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60

SECTION A
N.T.S.



REVISIONS:	
1	
2	
3	
PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS DRAINAGE DETAILS	
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL <i>Zachary R. Schmidt</i> Professional Engineer License No. 50959 ZACHARY R. SCHMIDT 03/28/2024 ARIZONA, USA Expires 06/30/2025
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 56 OF 133
COB PLAN TRACKING # N/A	COB PERMIT # ENGMJRCIP-21-003

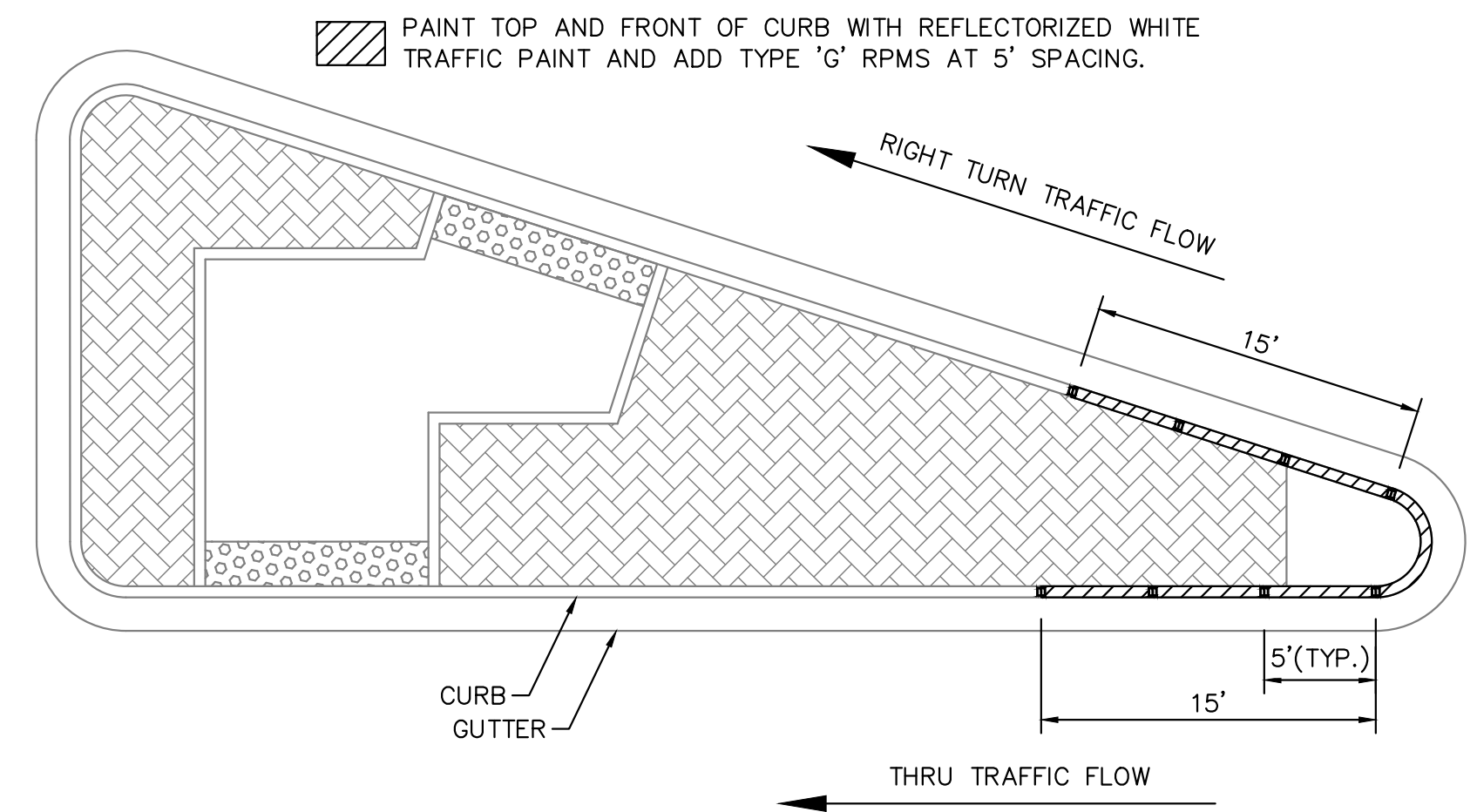
FINAL

CITY OF BUCKEYE SIGNING & PAVEMENT MARKING NOTES:

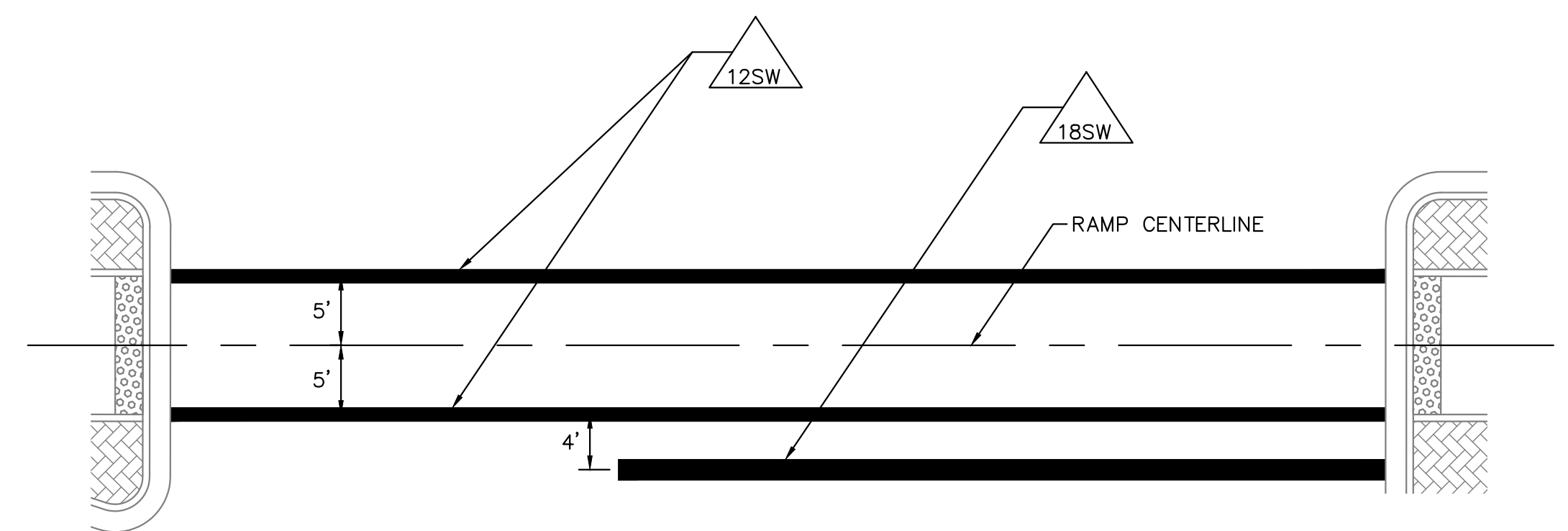
- THE CITY'S INSPECTOR SHALL BE NOTIFIED 48 HOURS PRIOR TO STARTING ANY SIGNING OR STRIPING WORK.
- PERMANENT THERMOPLASTIC STRIPING SHALL NOT BE PLACED ANY EARLIER THAN 30 DAYS AFTER THE PERMANENT PAVEMENT HAS BEEN PLACED. A TEMPORARY PAINT SHALL BE USED AS AN INTERIM STRIPING. IF TEMPORARY PAINT IS USED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE TEMPORARY STRIPING UNTIL THE PERMANENT THERMOPLASTIC HAS BEEN PLACED.
- UNLESS OTHERWISE SPECIFIED, ALL PAVEMENT MARKING AND TRAFFIC CONTROL SIGNING INSTALLATIONS AND REMOVALS SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF BUCKEYE AND AS SET FORTH IN THE ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT) STANDARD DRAWINGS, DETAILS AND SPECIFICATIONS OR THE 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES' (MUTCD) LATEST EDITION, OR AASHTO REQUIREMENTS, AS APPLICABLE. SIGN REQUIREMENTS, GUIDELINES AND WARRANTS SHALL BE IN ACCORDANCE WITH THE MUTCD MOST CURRENT EDITION.
- PRIOR TO PAVEMENT MARKING INSTALLATION THE CONTRACTOR SHALL SUBMIT MATERIAL CERTIFICATIONS WITH MATERIAL SUBMITTALS FOR ALL MARKING MATERIALS CERTIFYING THROUGH SUPPLIER LAB ANALYSIS THAT ALL PAINT AND THERMOPLASTICS ARE FREE FROM ANY LEAD BASED MATERIALS/COMPONENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF THE PERMANENT PAVEMENT MARKINGS FOLLOWING CONTROL POINTS THAT HAVE BEEN SET NO MORE THAN 50 FEET APART ALONG THE LINES TO BE STRIPED. PAVEMENT MARKING DIMENSIONS ARE TO CENTER OF THE STRIPE FOR SINGLE LINE STRIPING, AND TO THE CENTER OF THE SPACE BETWEEN THE TWO LINES FOR DOUBLE LINE STRIPING. WHERE CURB AND GUTTER IS PRESENT, DIMENSIONS ARE TO BACK OF CURB.
- THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER'S OFFICE FOR FIELD REVIEW OF LAYOUT PRIOR TO ANY STRIPING OR MARKINGS OF ANY KIND. ANY STRIPING COMPLETED PRIOR TO THE CITY ENGINEER'S OFFICE REVIEW MAY BE SUBJECT TO REMOVAL, RE-LAYOUT AND RESTRIPIING AT THE CONTRACTOR'S EXPENSE.
- THE PAVEMENT MARKING DRAWINGS ARE SCHEMATIC ONLY AND NOT TO SCALE. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS, NOTES, DETAILS AND STANDARDS WHEN INSTALLING PAVEMENT STRIPING, MARKINGS AND MARKERS.
- TEMPORARY TRAFFIC CONTROL SHALL CONFORM TO THE CITY OF PHOENIX 'TRAFFIC BARRICADE MANUAL', THE MUTCD AND/OR AS DIRECTED BY THE CITY.
- UNLESS OTHERWISE DIRECTED, ALL FINAL LOCATION LANE STRIPING INCLUDING CROSSWALKS AND STOP BARS SHALL BE THERMOPLASTIC MATERIAL APPLIED AT A MINIMUM THICKNESS OF 60 MILS FOR LANE STRIPING AND 90 MILS FOR CROSSWALKS AND STOP BARS. ALL PAVEMENT SYMBOLS, ARROWS, AND LETTERING SHALL BE THERMOPLASTIC, TYPE 1 (PERMANENT) PREFORMED PAVEMENT MARKINGS. COLD TAPE MAY BE ALLOWED SUBJECT TO WRITTEN REQUEST BY THE CONTRACTOR AND APPROVAL BY THE CITY. TEMPORARY PAVEMENT MARKINGS SHALL BE REFLECTORIZED TRAFFIC PAINT. TEMPORARY STRIPING OR HALF-STREET ROADWAY STRIPING SHALL BE PAINT.
- ALL SIGNS SHALL CONFORM TO THE MUTCD AND SHALL BE MADE FROM 0.080 INCH THICK ALUMINUM. SIGN POSTS AND EXTENSIONS SHALL BE GALVANIZED SQUARE PREFORMED STEEL TUBING PER CITY STANDARDS. HEIGHT REQUIREMENTS SHALL COMPLY WITH THE MUTCD.
- ALL TRAFFIC CONTROL SIGN FACES SHALL BE CONSTRUCTED TO THE CITY OF BUCKEYE'S PERFORMANCE SPECIFICATIONS.
- ALL SIGNS SHALL HAVE A MINIMUM CLEARANCE FROM THE EDGE OF SIGN TO THE FACE OF THE CURB OF AT LEAST TWO (2) FEET; OR IF NO CURB EXISTS, IT SHALL BE AT LEAST TWELVE (12) FEET FROM THE EDGE OF THE PAVEMENT. ALL SIGNS SHALL BE PLACED SO AS NOT TO INTERFERE WITH PEDESTRIAN MOVEMENT.
- ANY TRAFFIC CONTROL SIGNAGE, INCLUDING STREET NAME SIGNS, WHICH MAY BE LOCATED WITHIN 10 FEET OF AN EXISTING STREET LIGHT POLE, MAY BE MOUNTED TO THE POLE BY STAINLESS STEEL BANDING WITH APPROVAL FROM THE CITY. SIGN LOCATIONS AND OFFSETS MAY BE ADJUSTED BY THE CITY TO IMPROVE VISIBILITY.
- ALL CONCRETE MEDIAN CURB NOSES SHALL BE PAINTED WITH YELLOW REFLECTIVE SAFETY PAINT FROM THE FRONT OF THE BULL NOSE BACK 10 FEET WITH YELLOW OR (WHERE APPLICABLE) WHITE TYPE G RAISED PAVEMENT MARKERS ON BULL NOSE CURB HEADS SUBJECT TO FIELD REVIEW AND FINAL ACCEPTANCE FOR MARKERS.
- ALL RAISED PAVEMENT MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH ADOT STANDARD DRAWING M-19. TWO-WAY TYPE BB RAISED PAVEMENT MARKERS SHALL BE INSTALLED ADJACENT TO FIRE HYDRANTS PER CITY STANDARDS.
- ANY EXISTING SIGNAGE THAT IS REQUIRED TO BE RELOCATED BY THE CONTRACTOR SHALL BE REMOVED, PROTECTED AND STORED FOR REINSTALLATION BY THE CONTRACTOR. DAMAGED SIGNAGE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ANY EXISTING SIGNS REQUIRED TO BE PERMANENTLY REMOVED BY THE CONTRACTOR SHALL BE SALVAGED AND RETURNED TO THE CITY.
- THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT MARKINGS AND STRIPING IN CONFLICT WITH THE FINAL STRIPING PLAN BY ULTRA HIGH PRESSURE WATER (36,000PSI) OR BY SAND BLASTING. ALL REMOVAL METHODS SHALL BE DONE IN CONFORMANCE WITH EPA REQUIREMENTS. IF THE REMOVAL OF STRIPING CAUSES A DEPRESSION OF 1/8 INCH OR GREATER IN THE PAVEMENT SURFACE THE CONTRACTOR SHALL FILL AND SLURRY SEAL THE AREA PER MAG SPECIFICATIONS 713 AND 715, TYPE II. BLACKOUT PAINT WILL NOT BE ACCEPTED, NO EXCEPTIONS.
- THE CONTRACTOR SHALL CLEAN THE ROADWAY SURFACE TO THE SATISFACTION OF THE CITY BY POWER BROOM, STREET SWEEPING, AIR JET BLOWING AND/ OR WATER JET/TRUCK PRIOR TO PLACEMENT OF ALL PAVEMENT MARKINGS. THE ROAD PAVEMENT SURFACE SHALL BE ABSOLUTELY DRY. THE AIR AND PAVEMENT TEMPERATURES SHALL NOT BE LESS THAN 55 DEGREES F AND 61 DEGREES F FOR THE PLACEMENT OF THERMOPLASTIC MARKING TYPE I MARKING TAPE, RESPECTIVELY. TEMPERATURE VALUES SHALL BE CONSIDERED RISING AND TAKEN WITHIN THE SHADE.
- STREET NAME SIGNS LOCATED AT ALL LOCAL, COLLECTOR AND ARTERIAL INTERSECTIONS SHALL HAVE BLOCK NUMBERS. BLOCK NUMBERS SHALL BE ASSIGNED BY THE CITY'S ENGINEERING DEPARTMENT. BLOCK NUMBERS SHALL BE INSTALLED PER CITY REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE MATERIAL CUT SHEETS OF THE SIGN PANELS FOR REVIEW BY THE CITY ENGINEER'S OFFICE PRIOR TO INSTALLATION.

PAVEMENT MARKING LEGEND:

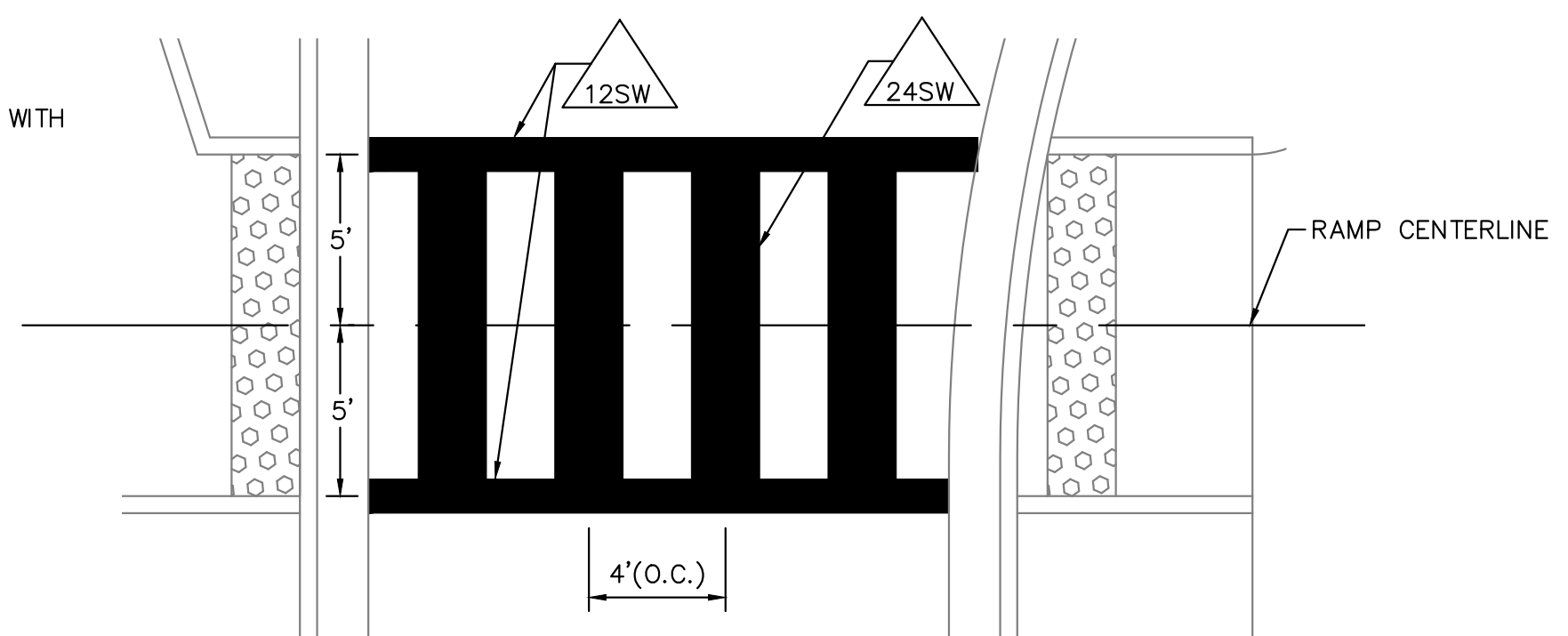
NEW	EXISTING TO REMAIN	EXISTING TO BE OBLITERATED	
			4" SOLID WHITE LINE
			4" SOLID WHITE LINE WITH TYPE 'G' RPMS AT 80' SPACING
			4" BROKEN WHITE LINE WITH A 10' LINE SEGMENT AND A 30' GAP WITH TYPE 'G' RPMS AT 40' SPACING
			4" DASHED WHITE LINE WITH A 2' LINE SEGMENT AND A 6' GAP
			6" SOLID WHITE LINE
			6" DASHED WHITE LINE WITH A 2' LINE SEGMENT AND A 4' GAP
			6" DASHED WHITE LINE WITH A 2' LINE SEGMENT AND A 6' GAP
			8" SOLID WHITE LINE
			8" SOLID WHITE LINE WITH TYPE 'G' RPMS AT 20' SPACING
			8" SOLID WHITE LINE WITH TYPE 'G' RPMS AT 40' SPACING
			8" DASHED WHITE LINE WITH A 2' LINE SEGMENT AND A 4' GAP
			8" DASHED WHITE LINE WITH A 2' LINE SEGMENT AND A 6' GAP
			8" DASHED WHITE LINE WITH A 3' LINE SEGMENT AND A 9' GAP
			12" SOLID WHITE LINE
			12" SOLID WHITE LINE WITH TYPE 'C' RPMS AT 20' SPACING
			18" SOLID WHITE LINE
			4" DOUBLE YELLOW LINE, ONE SOLID, ONE BROKEN WITH A 10' LINE SEGMENT AND A 30' GAP WITH TYPE 'H' RPMS AT 20' SPACING (SOLID), TYPE 'D' RPMS AT 40' SPACING (BROKEN)
			4" SOLID DOUBLE YELLOW LINE WITH TYPE 'D' RPMS AT 20' SPACING
			4" BROKEN YELLOW LINE WITH A 10' LINE SEGMENT AND A 30' GAP WITH TYPE 'D' RPMS AT 40' SPACING
			4" DASHED YELLOW LINE WITH WITH A 2' LINE SEGMENT AND A 6' GAP
			4" DASHED DOUBLE YELLOW LINE WITH WITH A 2' LINE SEGMENT AND A 6' GAP
			6" SOLID YELLOW LINE
			8" SOLID YELLOW LINE



DETAIL PM1: MEDIAN ISLAND PAVEMENT MARKING

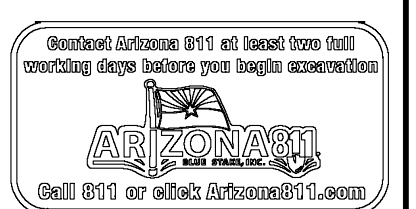


DETAIL PM2: CROSSWALK AND STOP BAR

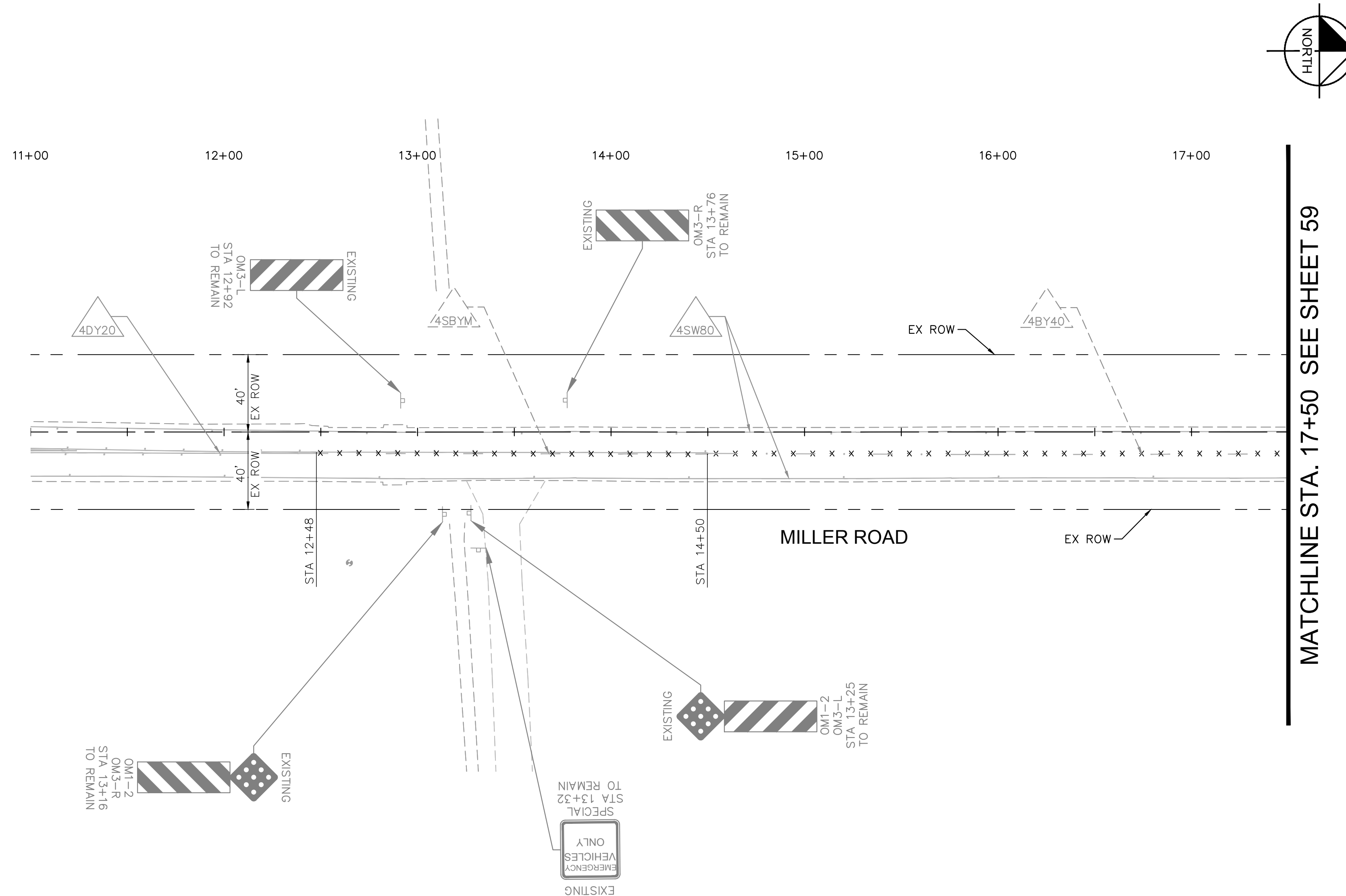


DETAIL PM3: CHANNELIZED RIGHT TURN CROSSWALK

REVISIONS:	
PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS PAVEMENT MARKING & SIGNING GENERAL NOTES	
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 57 OF 133
COB PLAN TRACKING # N/A	COB PERMIT # ENGMJRCIP-21-003



K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\2-Sheets\Traffic\PMR00.dwg | 3/26/2024 | CHENG, EMMA

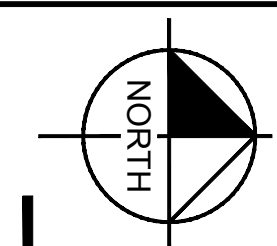
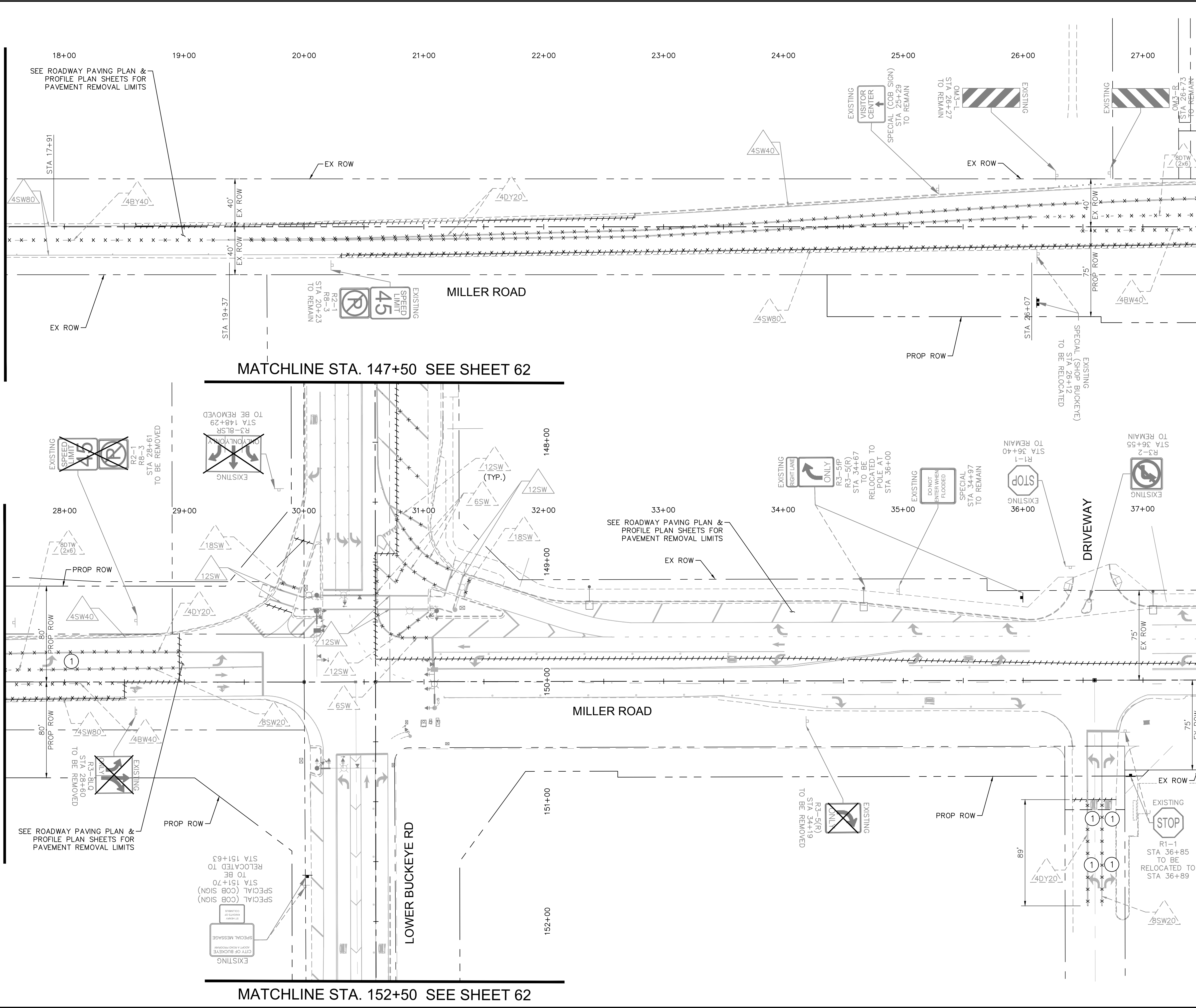


REMOVAL NOTES		
NO	DESCRIPTION	UNIT QTY
<p>LEGEND:</p> <p>-x-x-x-x- EXISTING PAVEMENT MARKING TO BE REMOVED BY APPROVED OBLITERATION METHOD</p> <p>△△△ STRIPING DETAILS PER SHEET 57</p> <p>GRAPHIC SCALE IN FEET 0 20 40 80</p>		
REVISIONS:		
1		
2		
3		
PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS SIGNING REMOVAL & PM OBLITERATION		
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500		
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	SUBMITTAL: FINAL
AS-BUILT SEAL	DESIGN SEAL 	
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	COB PLAN TRACKING # N/A
PROJECT NUMBER CIP #105260	SHEET NUMBER 58 OF 133	

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\2-Sheets\Traffic\PMR01.dwg | 3/26/2024 | CHENG, EMMA

MATCHLINE STA. 17+50 SEE SHEET 58

MATCHLINE STA. 27+50 SEE ABOVE RIGHT



MATCHLINE STA. 27+50 SEE BELOW LEFT

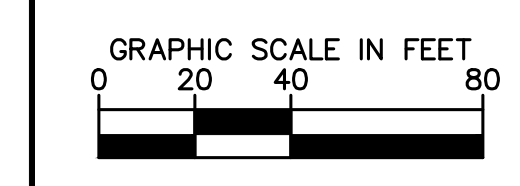
MATCHLINE STA. 37+50 SEE SHEET 60

REMOVAL NOTES

NO	DESCRIPTION	UNIT	QTY
1	REMOVE EXISTING PAVEMENT MARKING.	EA	5

LEGEND:
 -x-x-x- EXISTING PAVEMENT MARKING TO BE REMOVED BY APPROVED OBLITERATION METHOD

XX STRIPING DETAILS PER SHEET 57



REVISIONS:

1	
2	
3	

PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 SIGNING REMOVAL & PM OBLITERATION**

ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
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AS-BUILT SEAL	DESIGN SEAL
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ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 59 OF 133

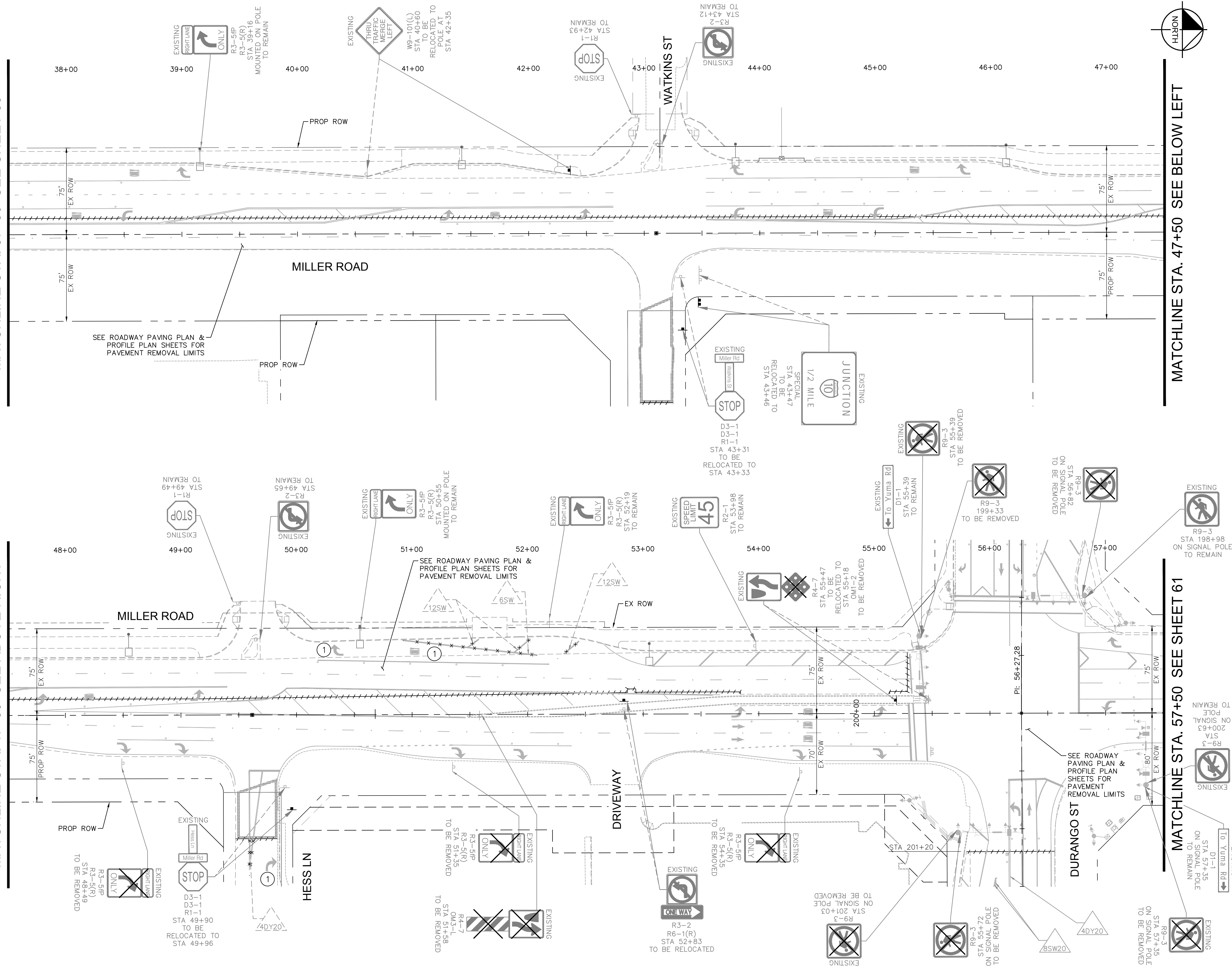
SUBMITTAL: **FINAL**
 COB PLAN TRACKING #
 N/A
 COB PERMIT #
 ENGMJRCIP-21-003

MATCHLINE STA. 37+50 SEE SHEET 59

MATCHLINE STA. 47+50 SEE ABOVE RIGHT

MATCHLINE STA. 47+50 SEE BELOW LEFT

MATCHLINE STA. 57+50 SEE SHEET 61

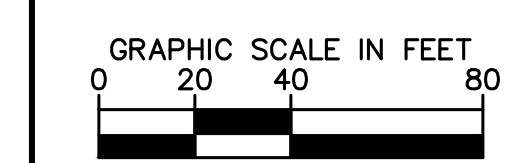


REMOVAL NOTES

NO	DESCRIPTION	UNIT	QTY
1	REMOVE EXISTING PAVEMENT MARKING.	EA	3

LEGEND:
 * * * * * EXISTING PAVEMENT MARKING TO BE REMOVED BY APPROVED OBLITERATION METHOD

△△ STRIPING DETAILS PER SHEET 57



REVISIONS:

1	
2	
3	

PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS SIGNING REMOVAL & PM OBLITERATION

ENGINEER INFORMATION: **Kimley-Horn**
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
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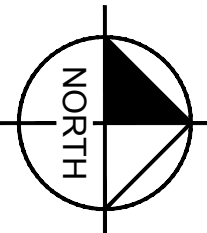
AS-BUILT SEAL	DESIGN SEAL
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ORIGINAL PLAN DATE: 3/28/2024	LATEST REVISION DATE:
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 60 OF 133

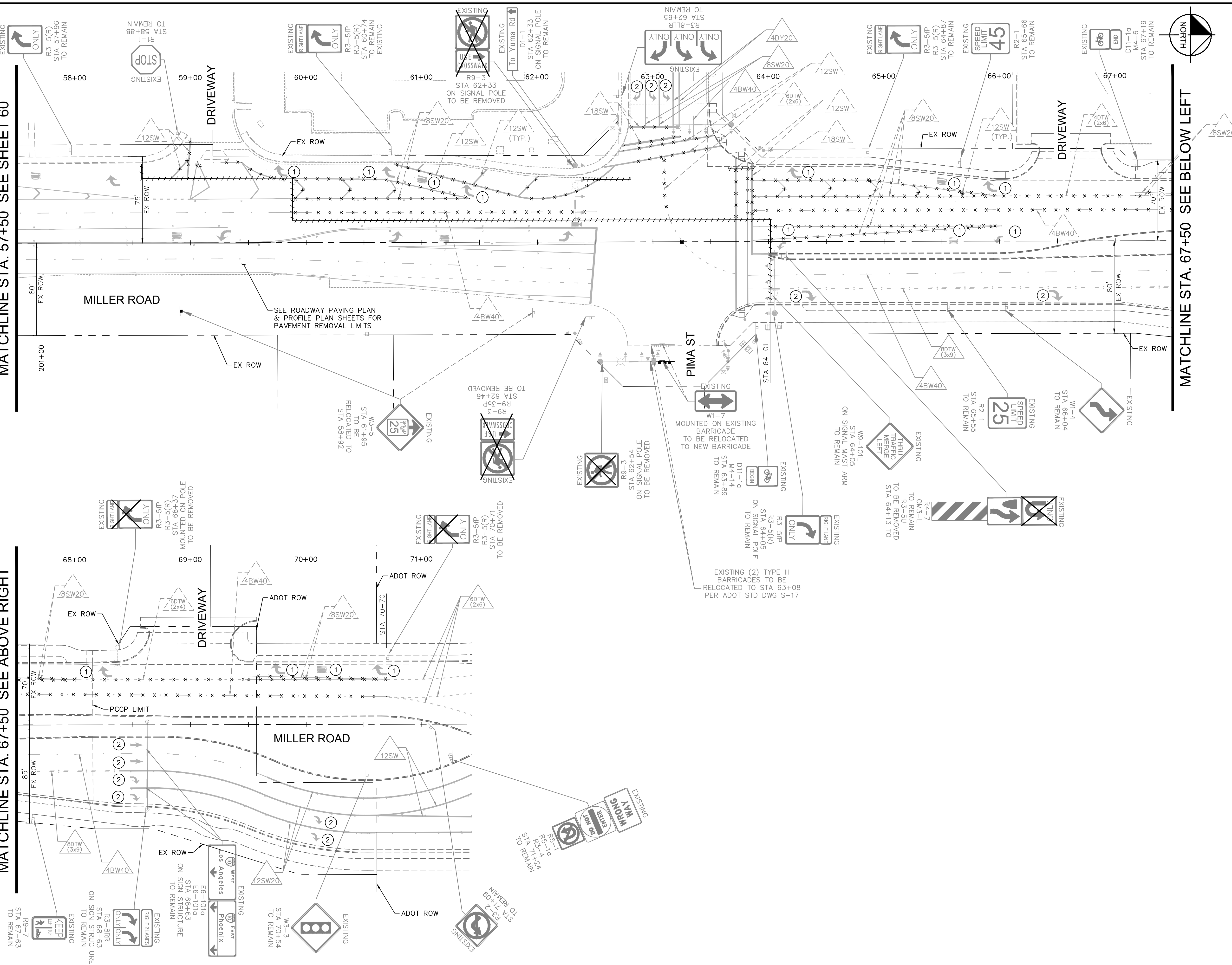
SUBMITTAL: **FINAL**
 COB PLAN TRACKING #
 COB PERMIT #
 ENG\MJRCIP-21-1003

MATCHLINE STA. 57+50 SEE SHEET 60

MATCHLINE STA. 67+50 SEE ABOVE RIGHT



MATCHLINE STA. 67+50 SEE BELOW LEFT

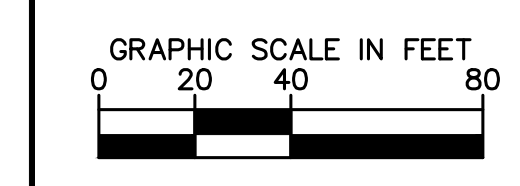


REMOVAL NOTES

NO	DESCRIPTION	UNIT	QTY
1	REMOVE EXISTING PAVEMENT MARKING.	EA	14
2	EXISTING PAVEMENT MARKING TO REMAIN.	-	-

LEGEND:
 * * * * * EXISTING PAVEMENT MARKING TO BE REMOVED BY APPROVED OBLITERATION METHOD

XX STRIPING DETAILS PER SHEET 57



REVISIONS:

1	
2	
3	

PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 SIGNING REMOVAL & PM OBLITERATION**

ENGINEER INFORMATION
Kimley-Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

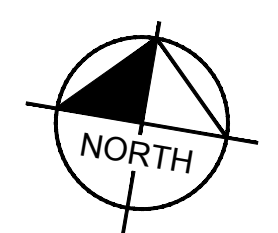
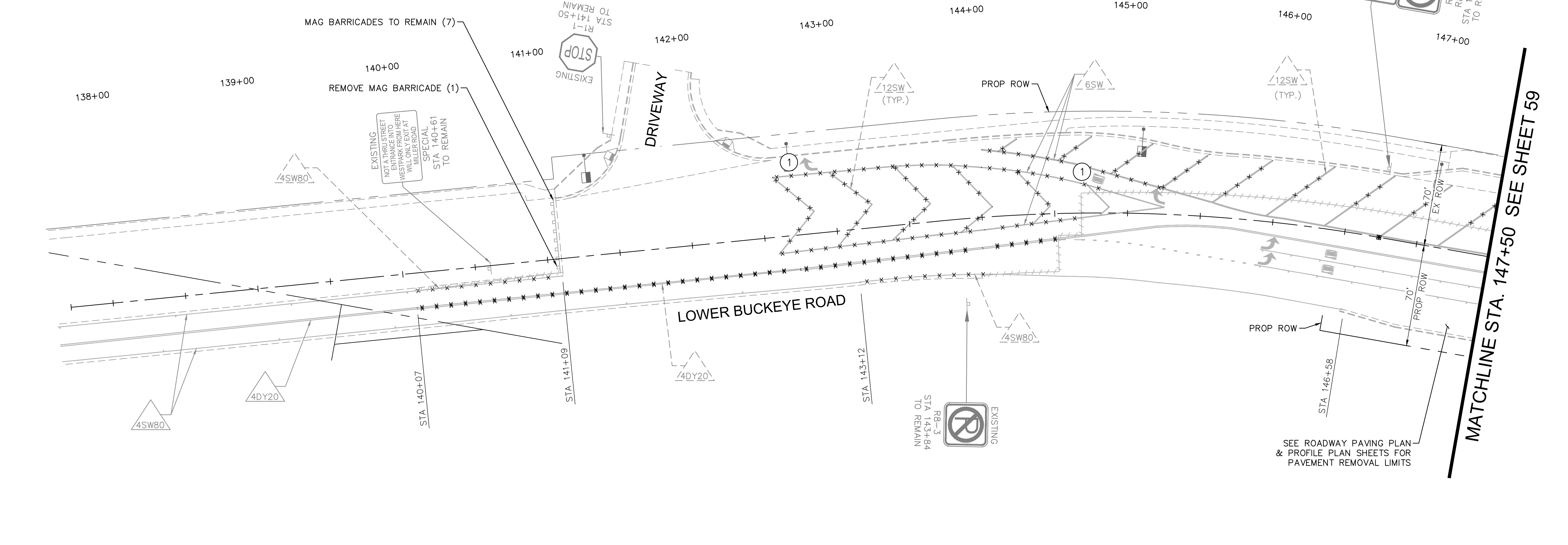
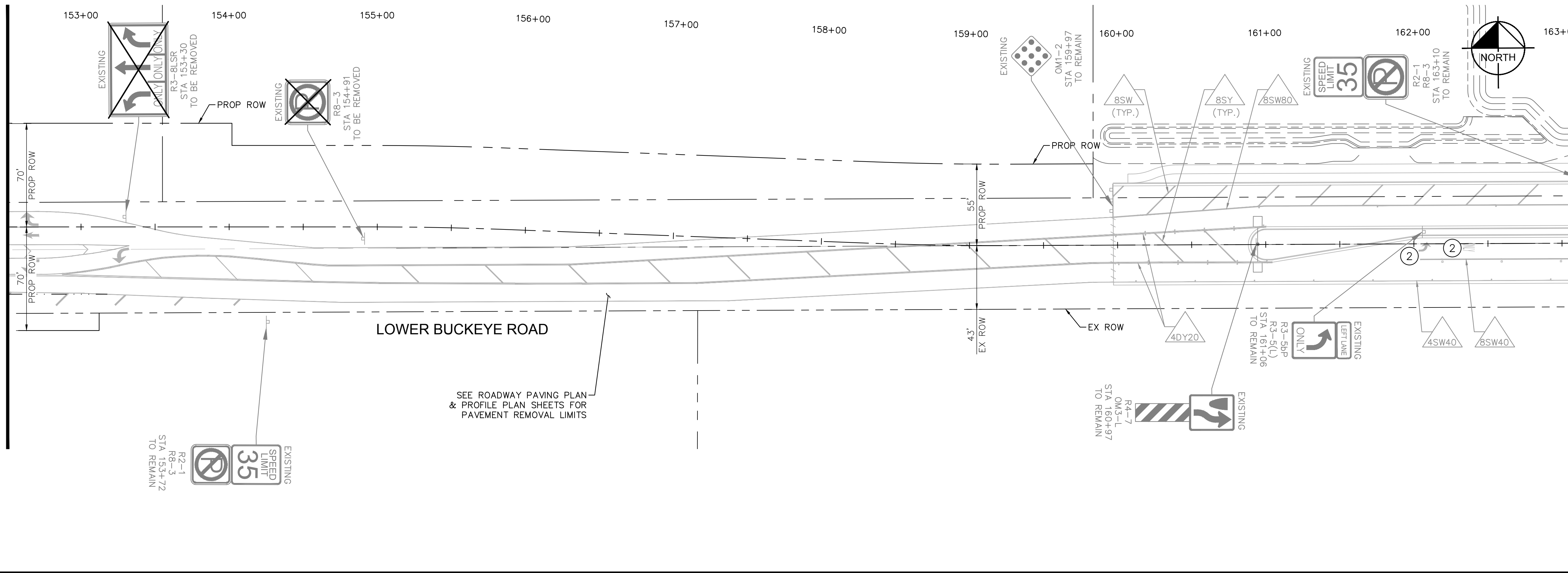
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
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AS-BUILT SEAL	DESIGN SEAL
---------------	-----------------

ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 61 OF 133

SUBMITTAL: **FINAL**
 COB PLAN TRACKING #
 COB PERMIT #
 ENG\MJRCIP-21-003

MATCHLINE STA. 152+50 SEE SHEET 59



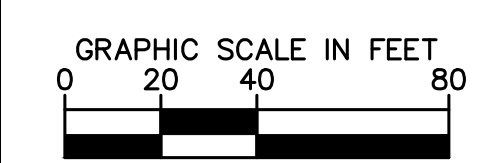
REMOVAL NOTES

NO	DESCRIPTION	UNIT	QTY
1	REMOVE EXISTING PAVEMENT MARKING.	EA	2
2	EXISTING PAVEMENT MARKING TO REMAIN.	-	-

LEGEND:

x x x x EXISTING PAVEMENT MARKING TO BE REMOVED BY APPROVED OBLITERATION METHOD

△ STRIPING DETAILS PER SHEET 57



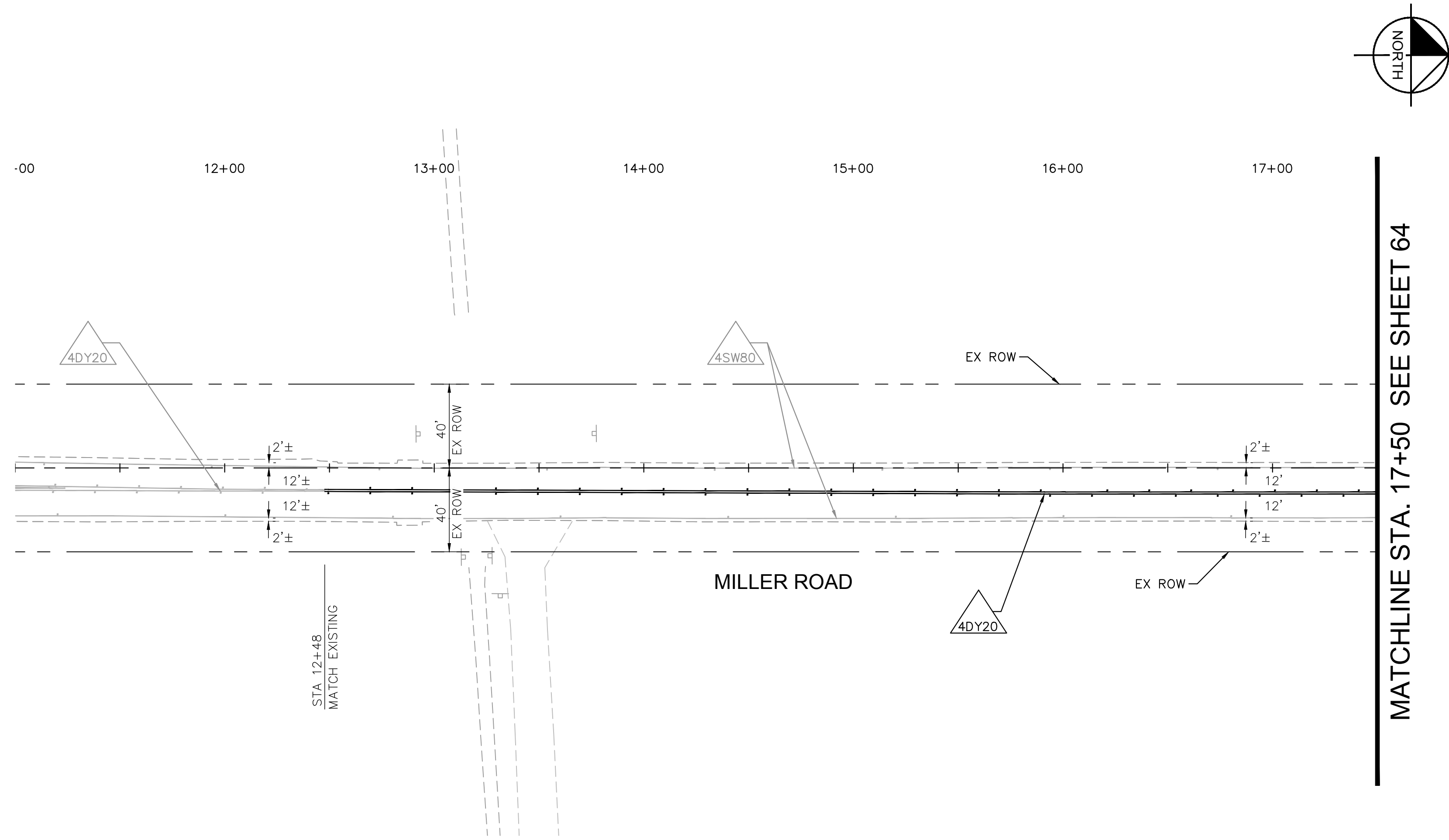
REVISIONS:

NO.	DESCRIPTION
1	
2	
3	

PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS SIGNING REMOVAL & PM OBLITERATION

ENGINEER INFORMATION		FINAL
<p>Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500 COB PERMITTING APPROVED SEAL COB ENGINEERING APPROVED SEAL</p>		
AS-BUILT SEAL	DESIGN SEAL	
<p>70672 ZACHARY HANDY Registered Professional Engineer (PE) No. 70672 Expires 03/31/26 ARIZONA, U.S.A.</p>		
ORIGINAL PLAN DATE	LATEST REVISION DATE	COB PLAN TRACKING #
3/28/2024		N/A
PROJECT NUMBER	SHEET NUMBER	COB PERMIT #
CIP #105260	62 OF 133	ENGMJRPCP-21-003

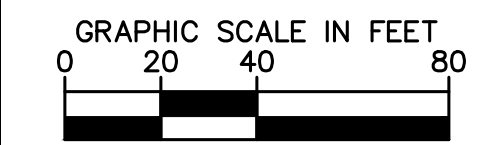
K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\2-Sheets\Traffic\PM00a.dwg | 3/26/2024 | CHENG, EMMA



CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY

△ XX STRIPING DETAILS PER SHEET 57



REVISIONS:

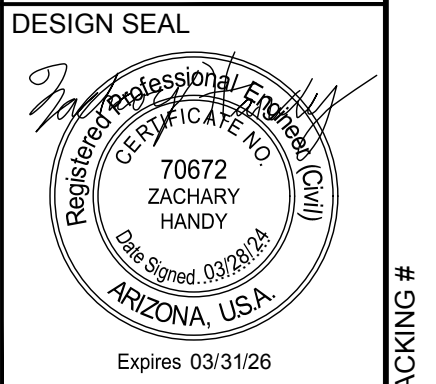
- 1
- 2
- 3

PLAN NAME
MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 PAVEMENT MARKING PLAN

ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
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AS-BUILT SEAL	DESIGN SEAL
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ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
---------------------------------	----------------------

PROJECT NUMBER CIP #105260	SHEET NUMBER 63 OF 133
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SUBMITTAL: **FINAL**

COB PLAN TRACKING #
 N/A
 COB PERMIT #
 ENGMJRCIP-21-003

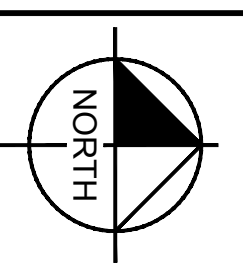
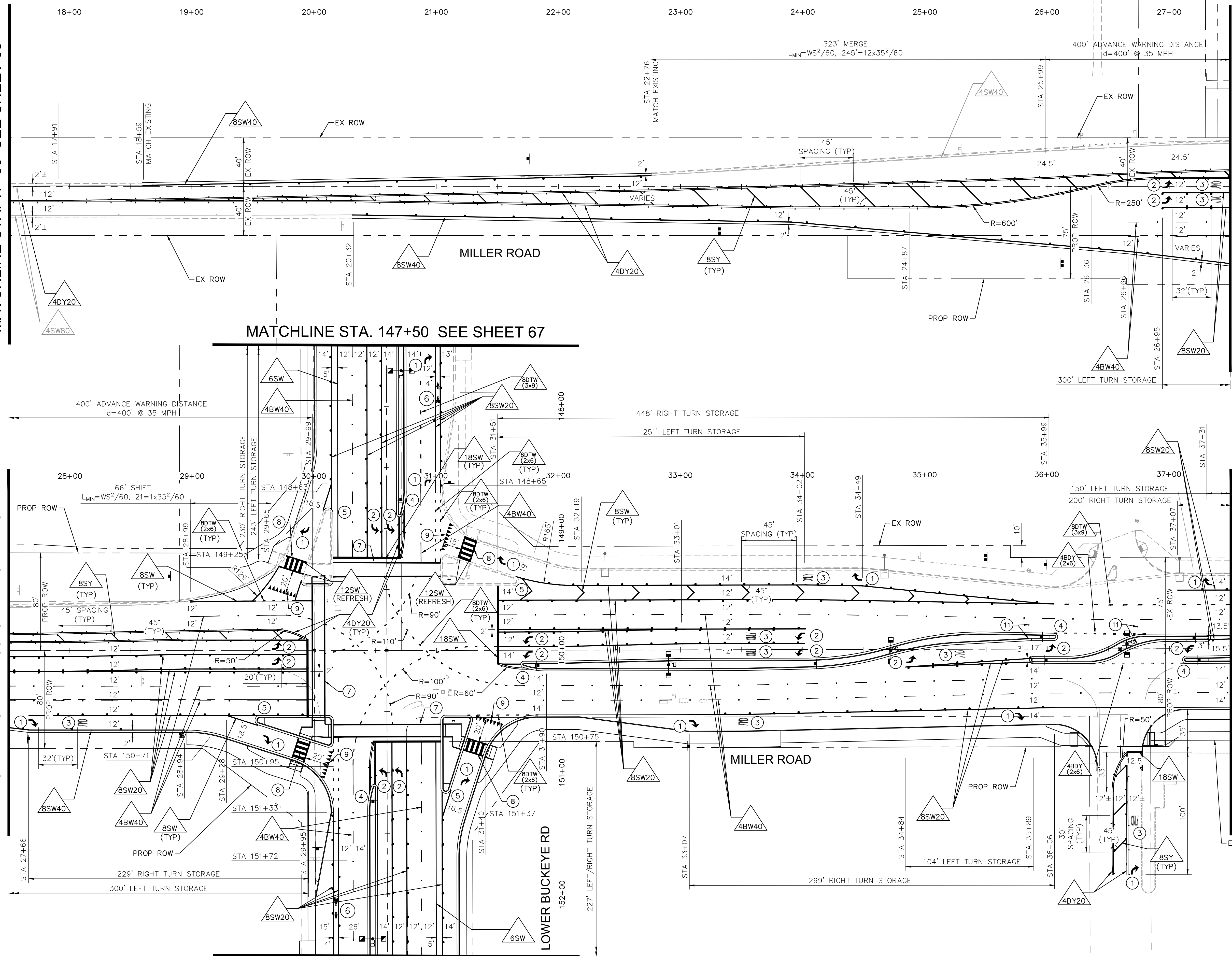
K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Street Design\12-Sheets\Traffic\PM01.dwg | 3/28/2024 | CHENG, EIMA

MATCHLINE STA. 17+50 SEE SHEET 63

MATCHLINE STA. 27+50 SEE ABOVE RIGHT

MATCHLINE STA. 27+50 SEE BELOW LEFT

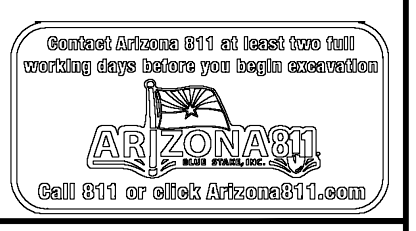
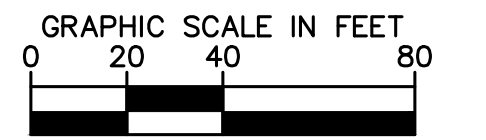
MATCHLINE STA. 37+50 SEE SHEET 65



CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY
1	THERMOPLASTIC RIGHT TURN ARROW PER COB, SIGNING AND MARKING SECTION 6-5 AND ADOT DTL M-10.	EA	12
2	THERMOPLASTIC LEFT TURN ARROW PER COB, SIGNING AND MARKING SECTION 6-5 AND ADOT DTL M-10.	EA	13
3	THERMOPLASTIC SYMBOL (ONLY) PER COB, SIGNING AND MARKING SECTION 6-5 AND ADOT DTL M-6.	EA	9
4	PAINT MEDIAN NOSE AND PROVIDE TYPE 'D' RPMs PER COB DETAIL 63220.	EA	5
5	PAINT MEDIAN NOSE AND PROVIDE TYPE 'G' RPMs PER DETAIL PM1 ON SHEET 57	EA	4
6	THERMOPLASTIC BIKE SYMBOL PER FIGURE 9C-3 OF THE MUTCD.	EA	2
7	INSTALL CROSSWALK AND STOP BAR PER DETAIL PM2 ON SHEET 57.	-	-
8	INSTALL CROSSWALK PER DETAIL PM3 ON SHEET 57.	-	-
9	INSTALL THERMOPLASTIC YIELD LINE PER MUTCD FIGURE 3B-16.	EA	4
11	INSTALL TYPE BB RPM PER MAG DETAIL 122.	EA	4

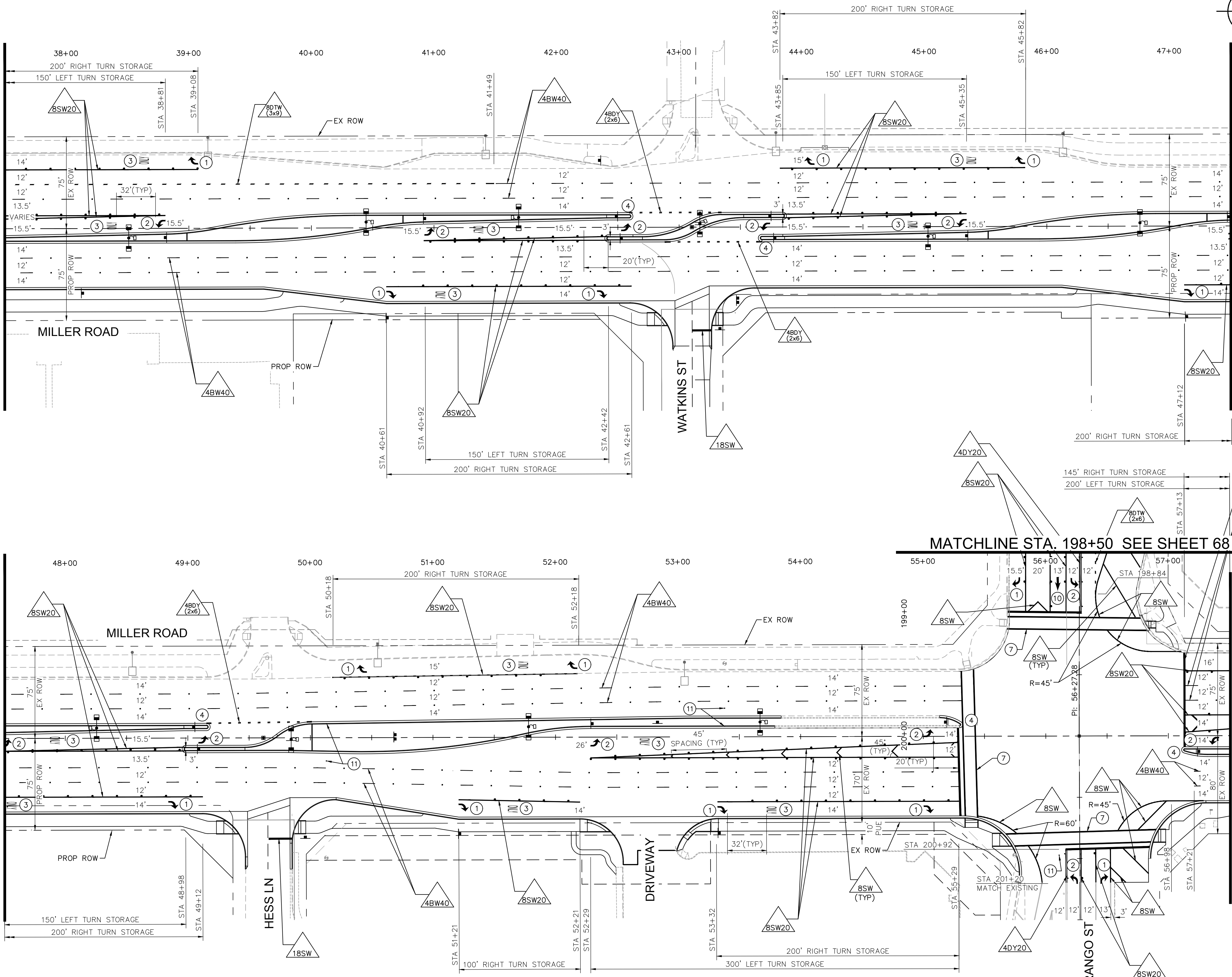
XX STRIPING DETAILS PER SHEET 57



REVISIONS:	
1	
2	
3	
PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS PAVEMENT MARKING PLAN	
ENGINEER INFORMATION Kimley-Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 64 OF 133
COB PLAN TRACKING # N/A	FINAL
COB PERMIT # ENGMJRPCP-21-003	

MATCHLINE STA. 37+50 SEE SHEET 64

MATCHLINE STA. 47+50 SEE ABOVE RIGHT



MATCHLINE STA. 47+50 SEE BELOW LEFT

MATCHLINE STA. 57+50 SEE SHEET 66

CONSTRUCTION NOTES		
NO	DESCRIPTION	UNIT QTY
1	THERMOPLASTIC RIGHT TURN ARROW PER COB, SIGNING AND MARKING SECTION 6-5 AND ADOT DTL M-10.	EA 14
2	THERMOPLASTIC LEFT TURN ARROW PER COB, SIGNING AND MARKING SECTION 6-5 AND ADOT DTL M-10.	EA 12
3	THERMOPLASTIC SYMBOL (ONLY) PER COB, SIGNING AND MARKING SECTION 6-5 AND ADOT DTL M-6.	EA 12
4	PAINT MEDIAN NOSE AND PROVIDE TYPE 'D' RPMs PER COB DETAIL 63220.	EA 5
7	INSTALL CROSSWALK AND STOP BAR PER DETAIL PM2 ON SHEET 57	- -
10	THERMOPLASTIC THROUGH ARROW PER COB, SIGNING AND MARKING SECTION 6-5.	EA 1
11	INSTALL TYPE BB RPM PER MAG DETAIL 122.	EA 5

△△ STRIPING DETAILS PER SHEET 57

GRAPHIC SCALE IN FEET
0 20 40 80

REVISIONS:

1	
2	
3	

PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS PAVEMENT MARKING PLAN

ENGINEER INFORMATION: **Kimley-Horn**
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL

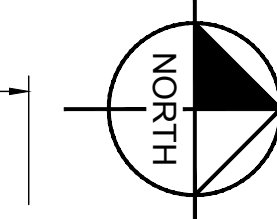
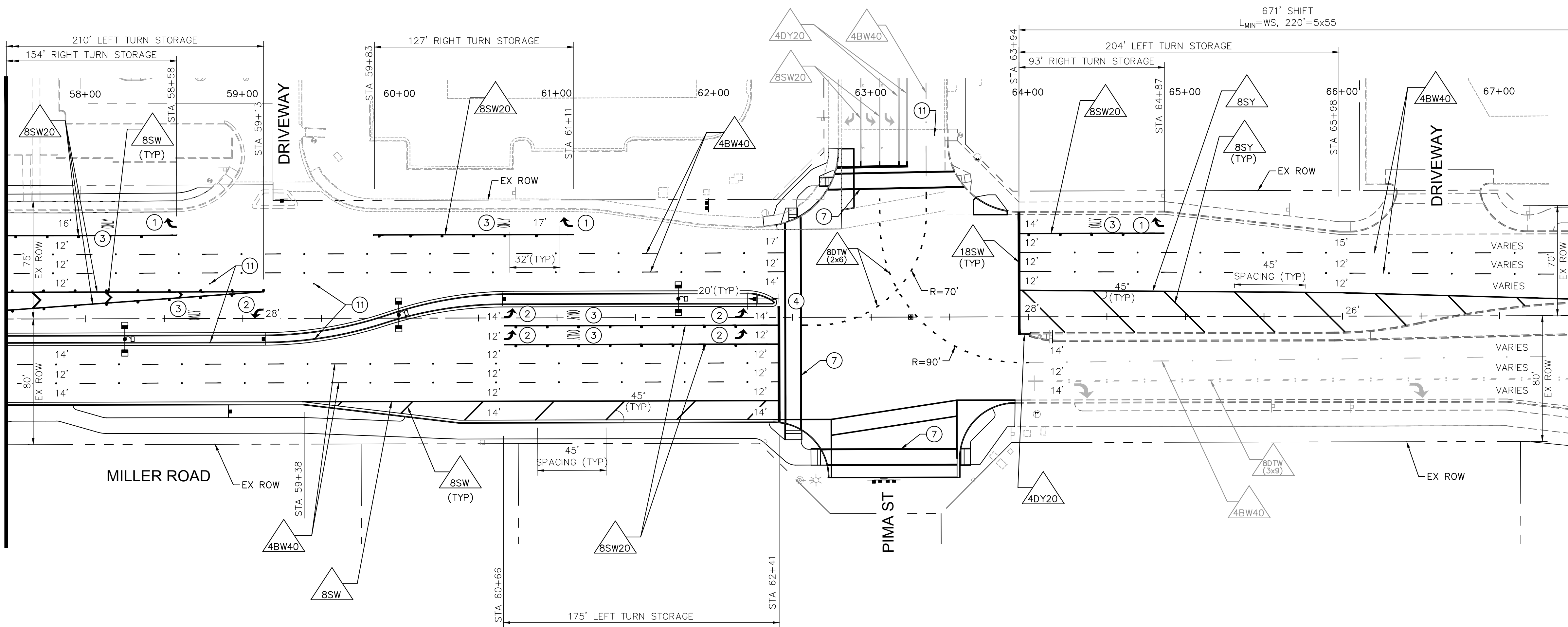
Professional Engineer Seal: ZACHARY HANDY, 70672, ARIZONA, U.S.A., Expires 03/31/26

ORIGINAL PLAN DATE: 3/28/2024	LATEST REVISION DATE:
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 65 OF 133

FINAL SUBMITTAL

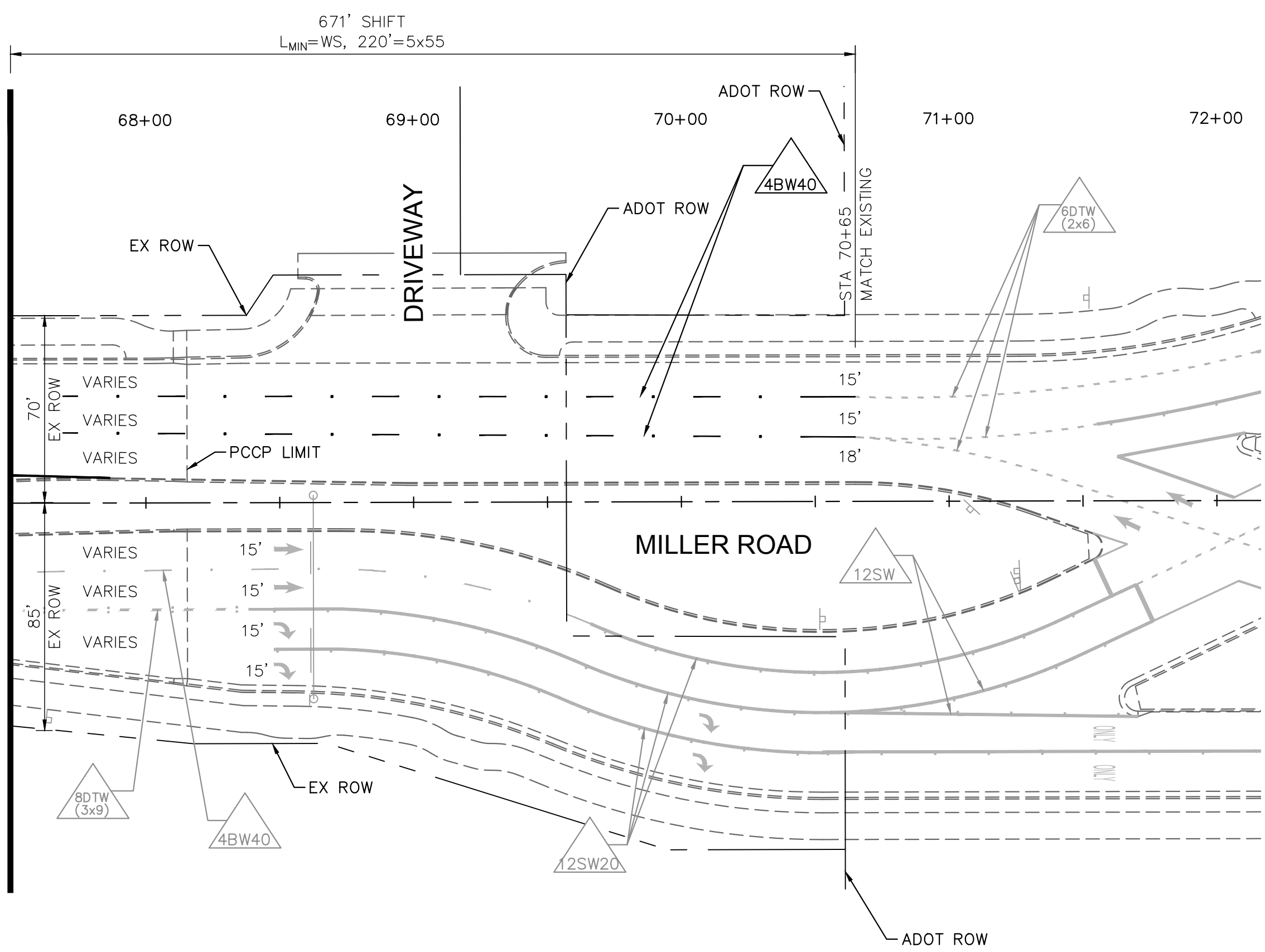
COB PLAN TRACKING #
COB PERMIT #
ENG/MJRC/P-21-003

MATCHLINE STA. 57+50 SEE SHEET 65



MATCHLINE STA. 67+50 SEE BELOW LEFT

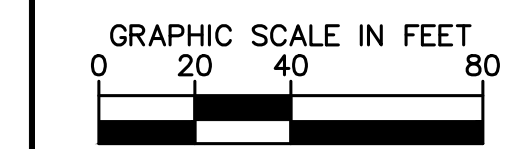
MATCHLINE STA. 67+50 SEE ABOVE RIGHT



CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY
1	THERMOPLASTIC RIGHT TURN ARROW PER COB, SIGNING AND MARKING SECTION 6-5 AND ADOT DTL M-10.	EA	3
2	THERMOPLASTIC LEFT TURN ARROW PER COB, SIGNING AND MARKING SECTION 6-5 AND ADOT DTL M-10.	EA	5
3	THERMOPLASTIC SYMBOL (ONLY) PER COB, SIGNING AND MARKING SECTION 6-5 AND ADOT DTL M-6.	EA	6
4	PAINT MEDIAN NOSE AND PROVIDE TYPE 'D' RPMs PER COB DETAIL 63220.	EA	1
7	INSTALL CROSSWALK AND STOP BAR PER DETAIL PM2 ON SHEET 57	-	-
11	INSTALL TYPE BB RPM PER MAG DETAIL 122.	EA	5

△△ STRIPING DETAILS PER SHEET 57



REVISIONS:

- 1
- 2
- 3

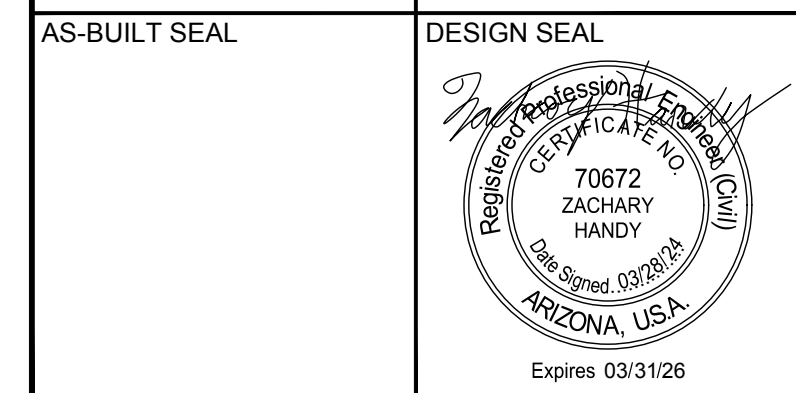
PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PAVEMENT MARKING PLAN

ENGINEER INFORMATION

Kimley-Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL
COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
DESIGN SEAL



ORIGINAL PLAN DATE
3/28/2024

PROJECT NUMBER
CIP #105260

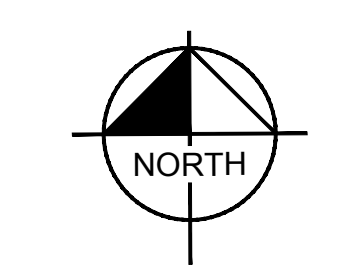
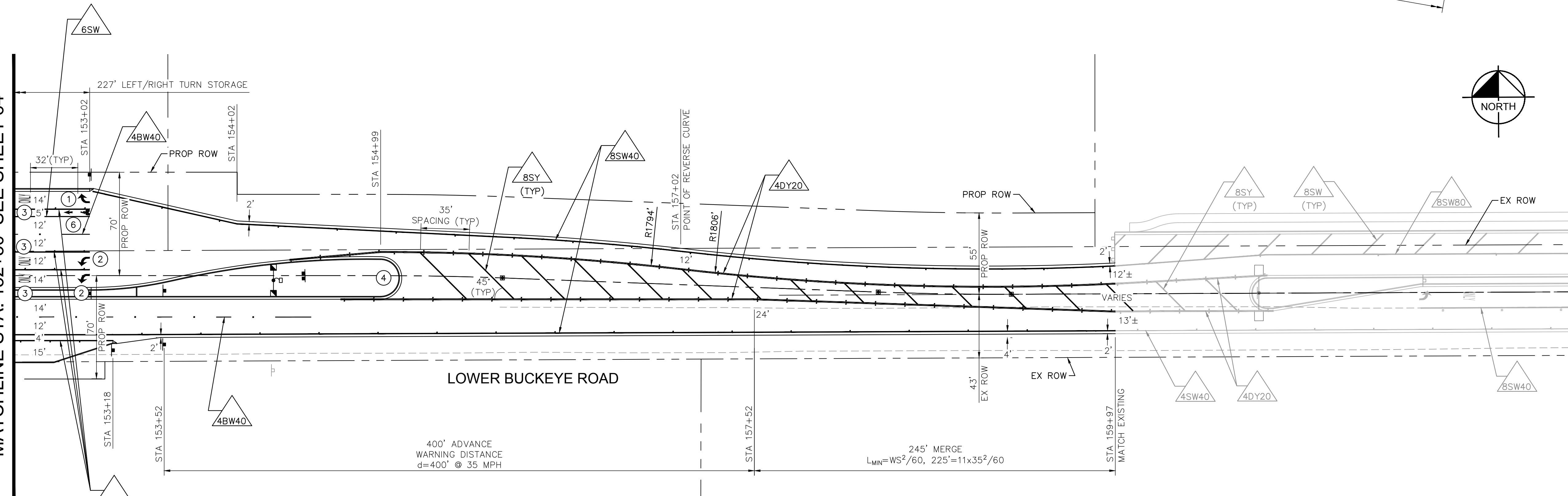
LATEST REVISION DATE
SHEET NUMBER
66 OF 133

SUBMITTAL: **FINAL**

COB PLAN TRACKING #
N/A
COB PERMIT #
ENGMJRPCP-21-003

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\12-Sheets\Traffic\PM04.dwg | 3/26/2024 | CHENG, EMMA

MATCHLINE STA. 152+50 SEE SHEET 64



GRAPHIC SCALE IN FEET
0 20 40 80

REVISIONS:

1	
2	
3	

PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PAVEMENT MARKING PLAN

ENGINEER INFORMATION
Kimley-Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL

ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 67 OF 133

COB PLAN TRACKING #
N/A

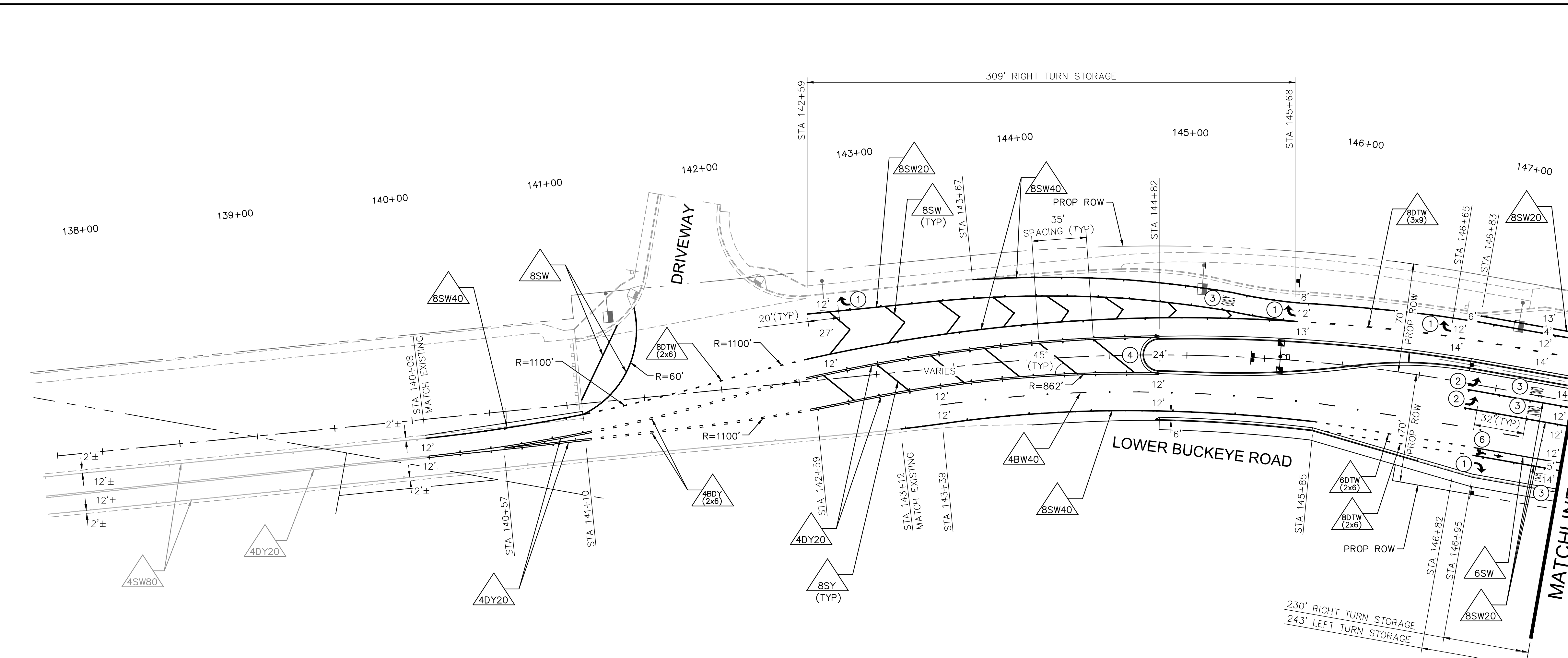
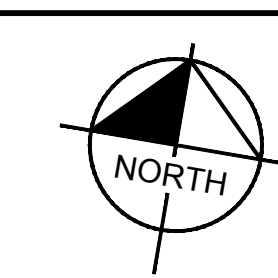
COB PERMIT #
ENGMJRCIP-21-003

CONSTRUCTION NOTES

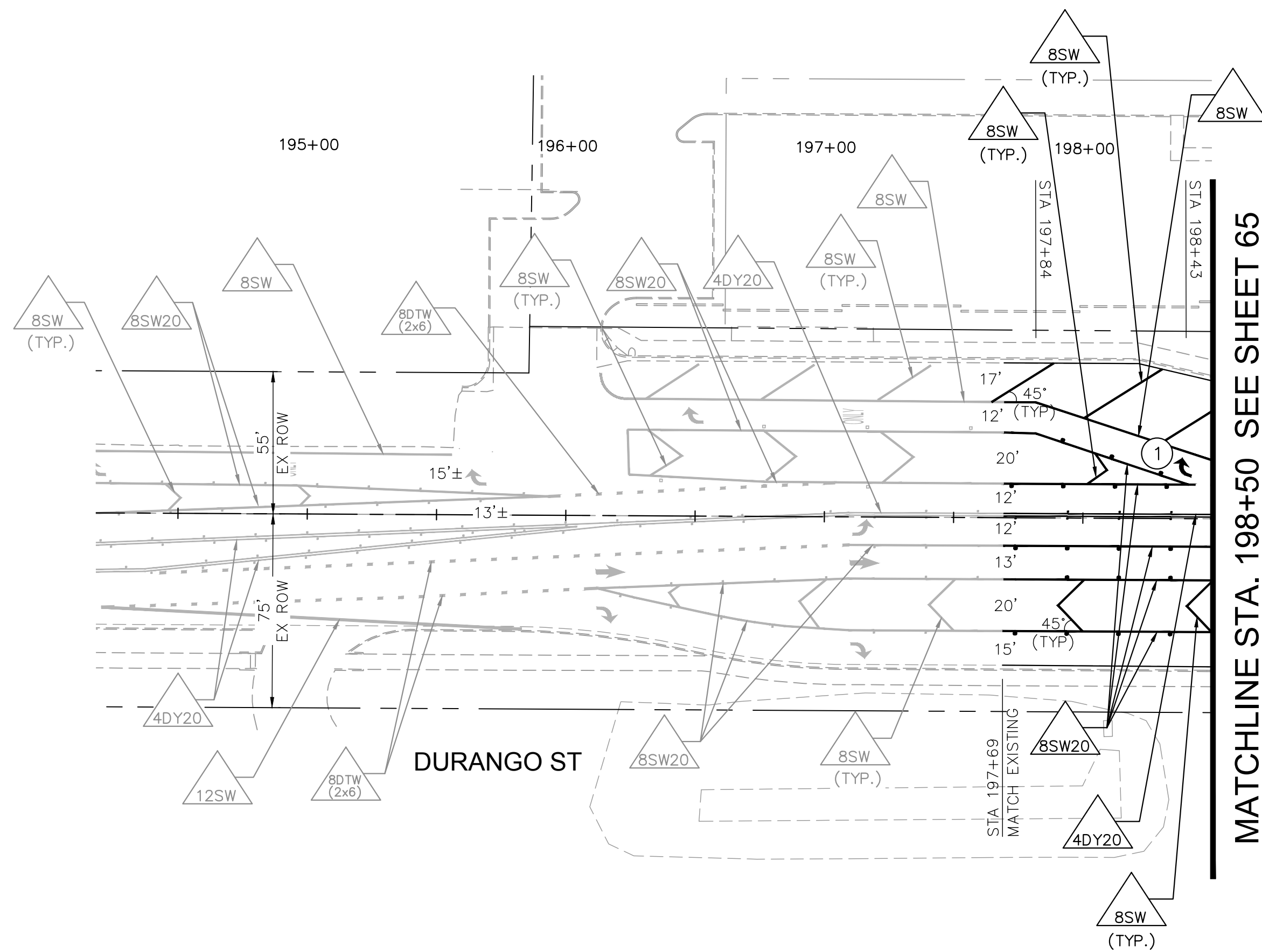
NO	DESCRIPTION	UNIT	QTY
1	THERMOPLASTIC RIGHT TURN ARROW PER COB, SIGNING AND MARKING SECTION 6-5 AND ADOT DTL M-10.	EA	5
2	THERMOPLASTIC LEFT TURN ARROW PER COB, SIGNING AND MARKING SECTION 6-5 AND ADOT DTL M-10.	EA	4
3	THERMOPLASTIC SYMBOL (ONLY) PER COB, SIGNING AND MARKING SECTION 6-5 AND ADOT DTL M-6.	EA	7
4	PAINT MEDIAN NOSE AND PROVIDE TYPE 'D' RPMs PER COB DETAIL 63220.	EA	2
6	THERMOPLASTIC BIKE SYMBOL PER FIGURE 9C-3 OF THE MUTCD.	EA	2

△△ STRIPING DETAILS PER SHEET 57

MATCHLINE STA. 147+50 SEE SHEET 64



K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\2-Sheets\Traffic\PM05.dwg | 3/26/2024 | CHENG, EMMA

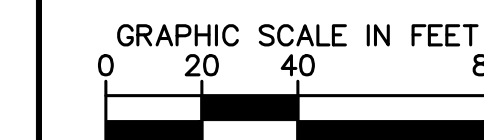


MATCHLINE STA. 198+50 SEE SHEET 65

CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY
1	THERMOPLASTIC RIGHT TURN ARROW PER COB, SIGNING AND MARKING SECTION 6-5 AND ADOT DTL M-10.	EA	1

△ STRIPING DETAILS PER SHEET 57



REVISIONS:

- 1
- 2
- 3

PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PAVEMENT MARKING PLAN

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL
COB ENGINEERING APPROVED SEAL

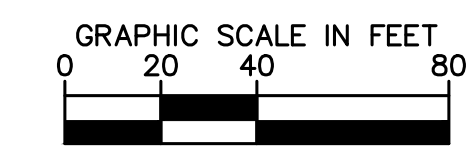
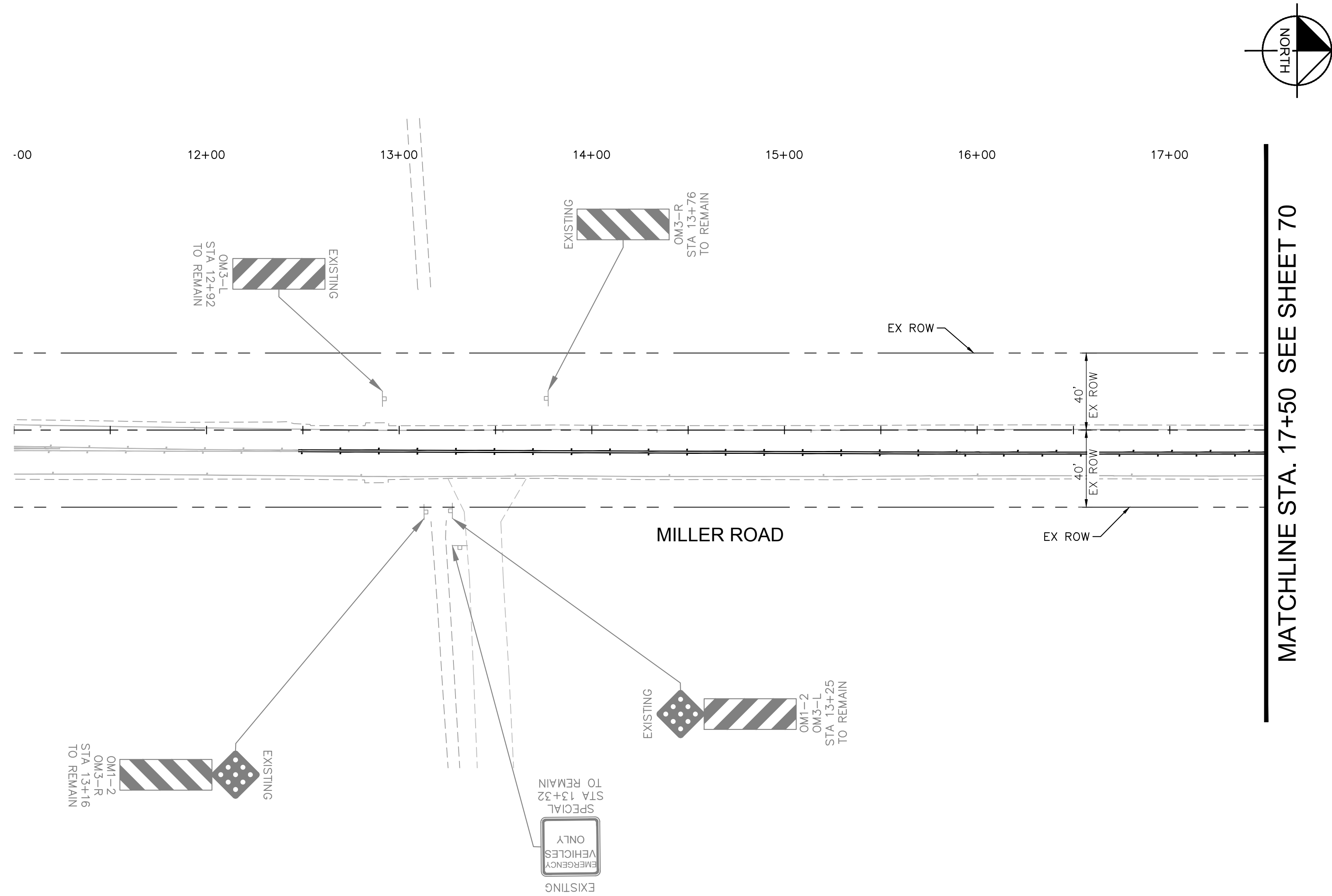
AS-BUILT SEAL
DESIGN SEAL

Expires: 03/31/26

ORIGINAL PLAN DATE: 3/28/2024
LATEST REVISION DATE:
PROJECT NUMBER: CIP #105260
SHEET NUMBER: 68 OF 133

SUBMITTAL:
FINAL

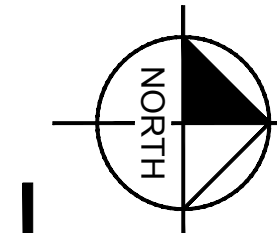
COB PLAN TRACKING #
N/A
COB PERMIT #
ENGMJRCIP-21-003



REVISIONS:	
1	
2	
3	
PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS SIGNING PLAN	
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 69 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING # N/A	
COB PERMIT # ENG\MJRCIP-21-003	

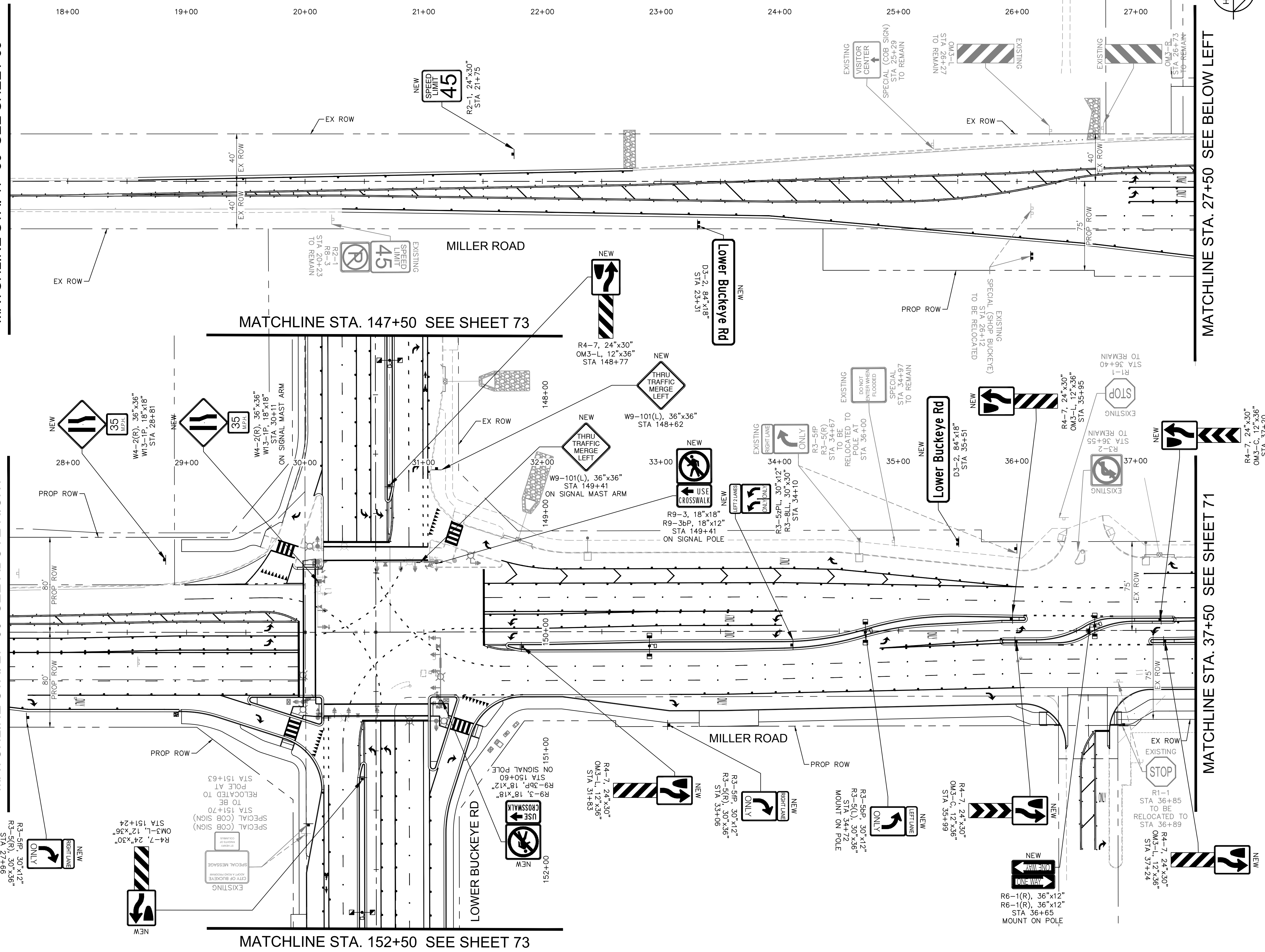
MATCHLINE STA. 17+50 SEE SHEET 69

MATCHLINE STA. 27+50 SEE ABOVE RIGHT



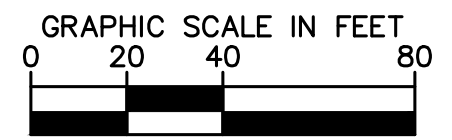
MATCHLINE STA. 27+50 SEE BELOW LEFT

MATCHLINE STA. 37+50 SEE SHEET 71



MATCHLINE STA. 147+50 SEE SHEET 73

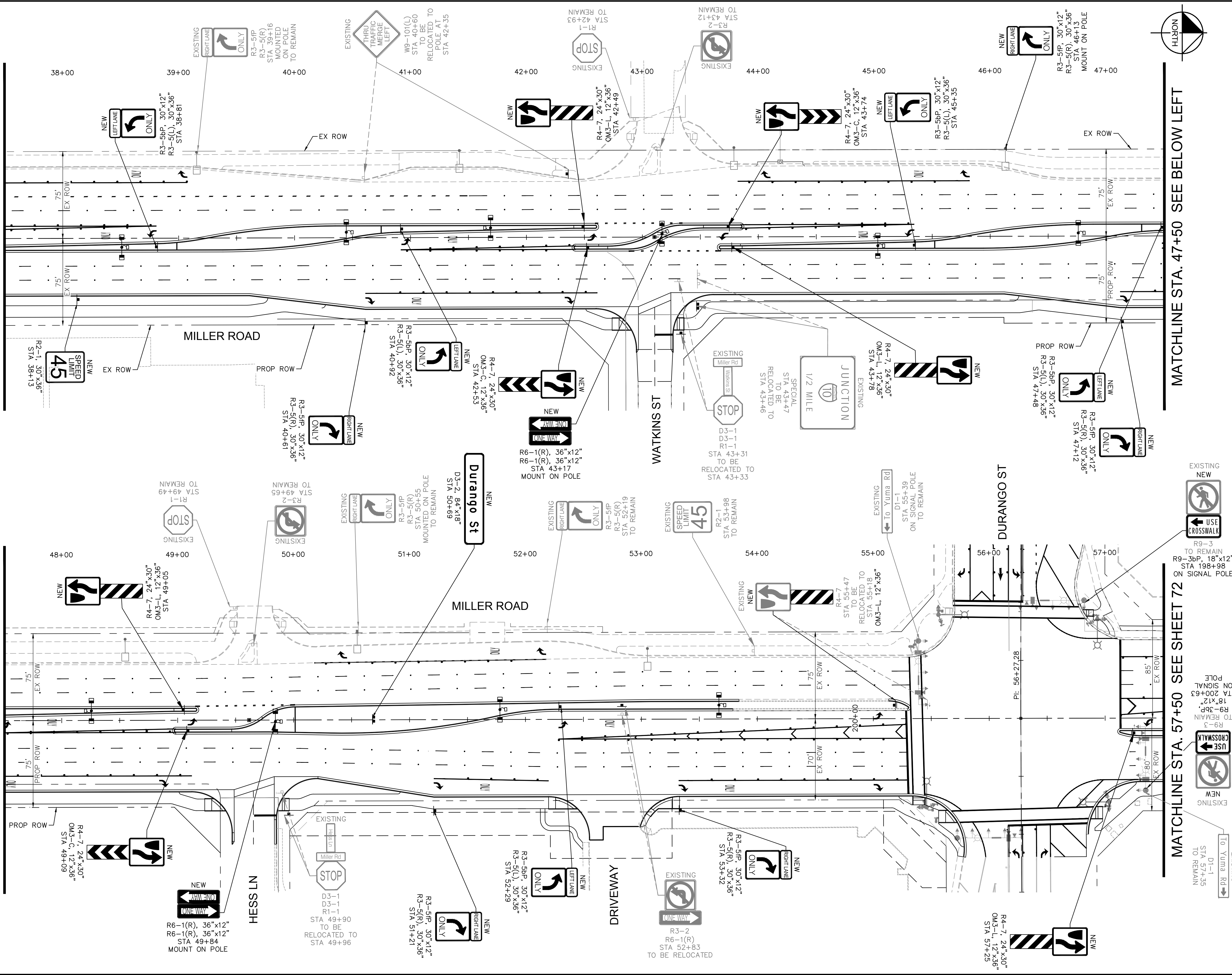
MATCHLINE STA. 152+50 SEE SHEET 73



REVISIONS:	
1	
2	
3	
PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS SIGNING PLAN	
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 70 OF 133
COB PLAN TRACKING # N/A	COB PERMIT # ENGMJRCIP-21-003
SUBMITTAL: FINAL	

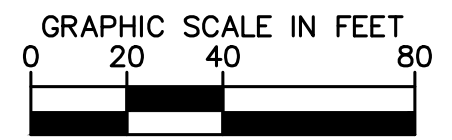
MATCHLINE STA. 37+50 SEE SHEET 70

MATCHLINE STA. 47+50 SEE ABOVE RIGHT



MATCHLINE STA. 47+50 SEE BELOW LEFT

MATCHLINE STA. 57+50 SEE SHEET 72



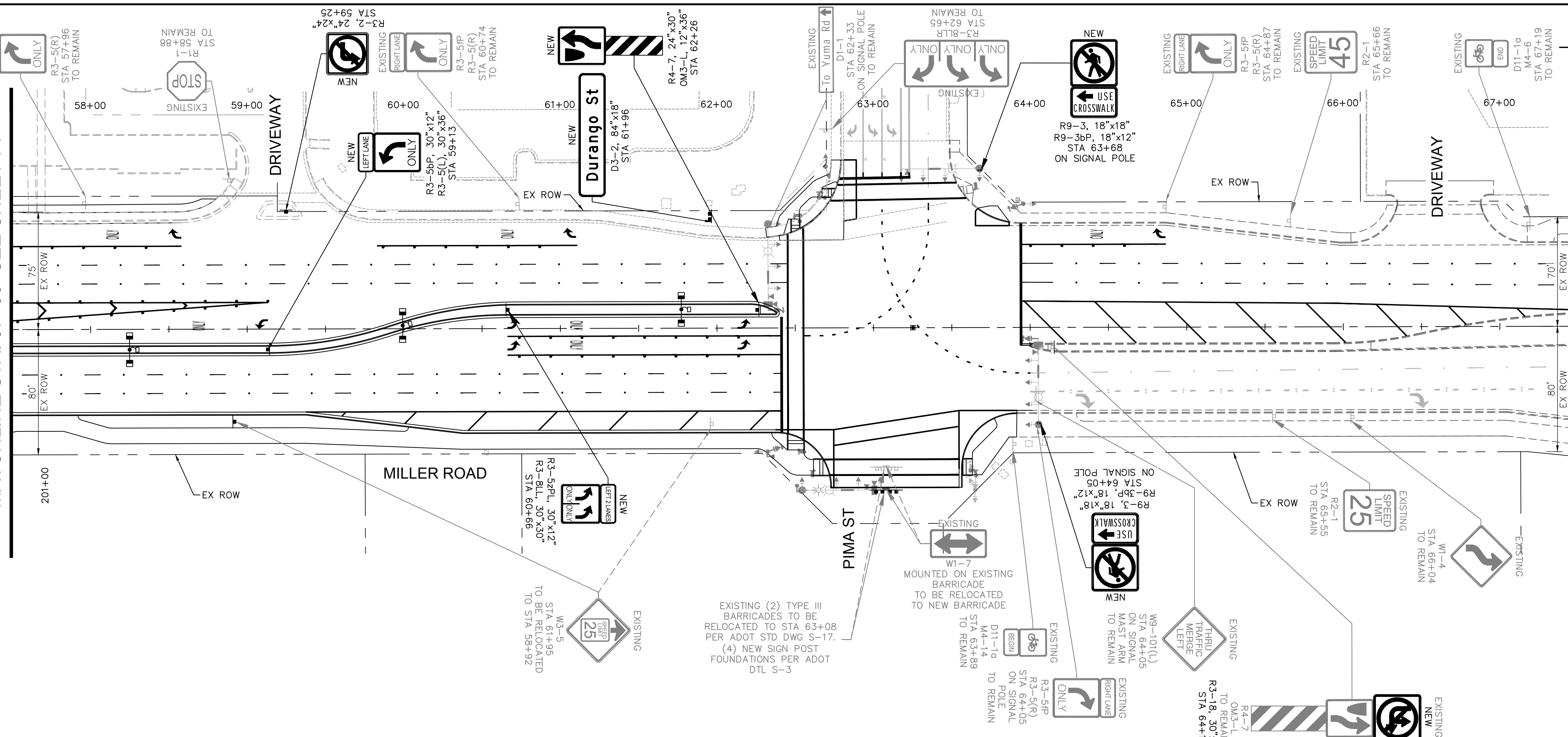
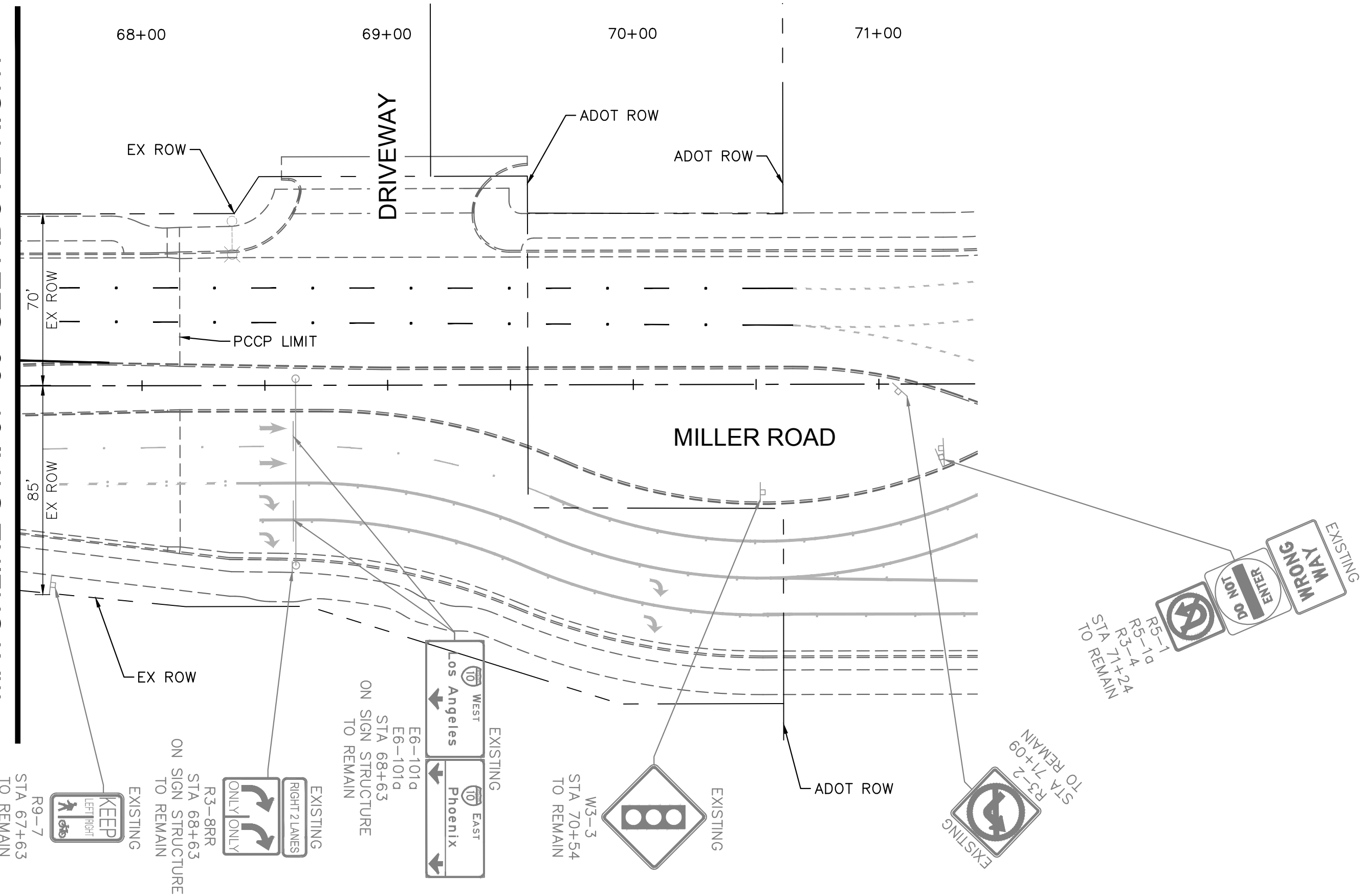
REVISIONS:	
1	
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3	

PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS SIGNING PLAN	
ENGINEER INFORMATION Kimley-Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 71 OF 133

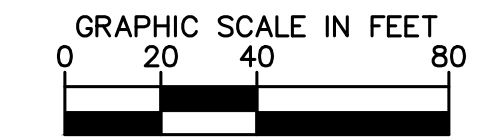
SUBMITTAL:	FINAL
COB PLAN TRACKING #	
COB PERMIT #	
ENG/MJRC/P-21-003	

MATCHLINE STA. 67+50 SEE ABOVE RIGHT

MATCHLINE STA. 57+50 SEE SHEET 71

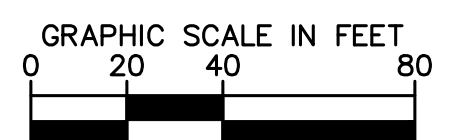
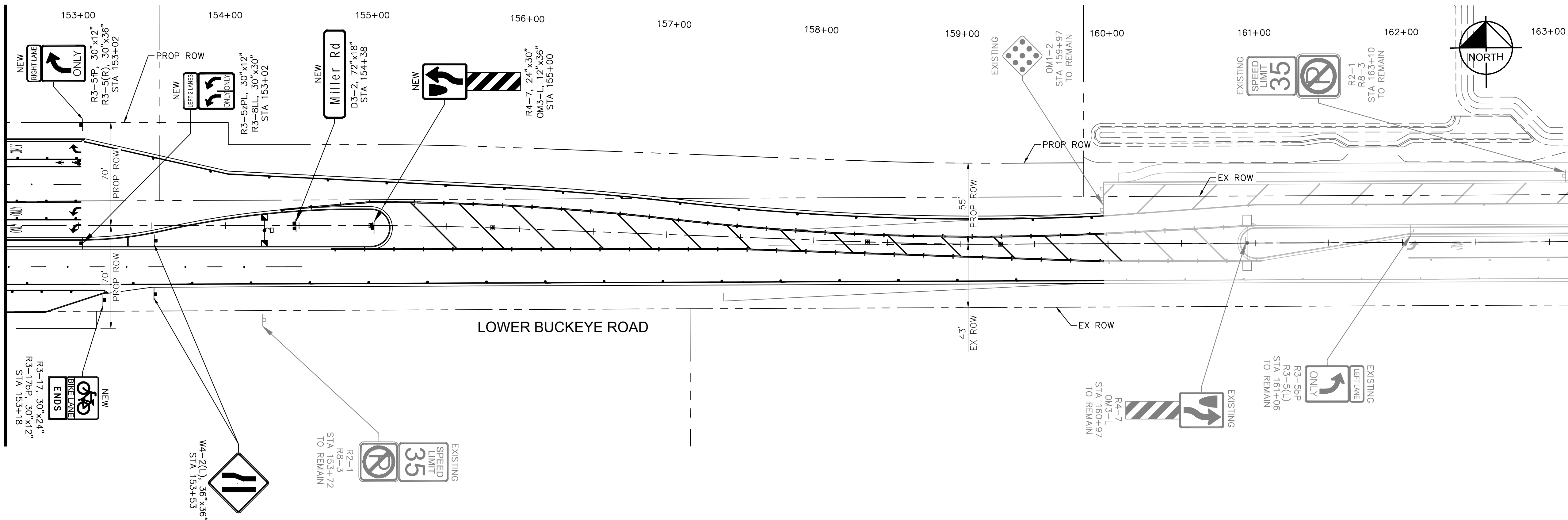


EXISTING (2) TYPE III BARRICADES TO BE RELOCATED TO STA 63+08 PER ADOT STD DWG S-17.
(4) NEW SIGN POST FOUNDATIONS PER ADOT DTL S-3



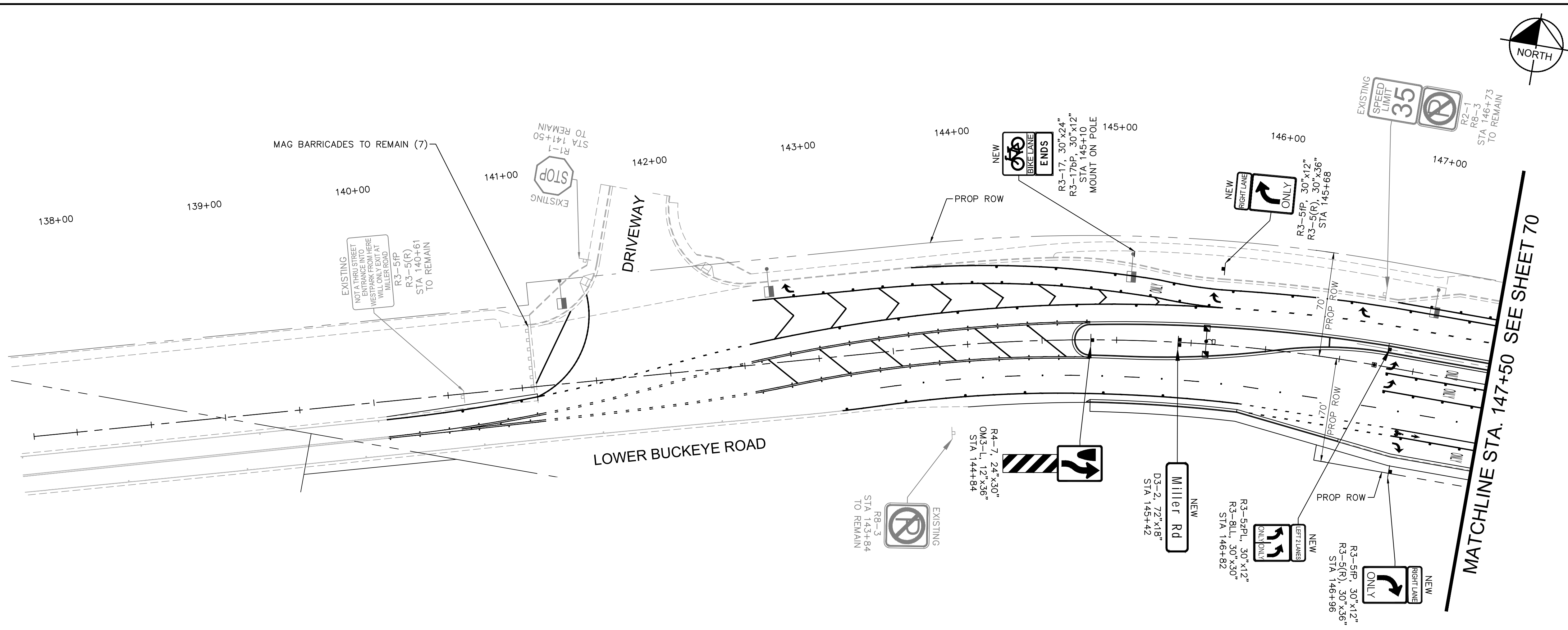
REVISIONS:	
1	
2	
3	
PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS SIGNING PLAN	
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 72 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING #	
COB PERMIT #	
ENG/MJRCIP-21-003	

MATCHLINE STA. 152+50 SEE SHEET 70



REVISIONS:	
1	
2	
3	
PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS SIGNING PLAN	
ENGINEER INFORMATION: Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE: 3/28/2024	LATEST REVISION DATE:
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 73 OF 133
COB PLAN TRACKING #	COB PERMIT #
N/A	ENGMJRCIP-21-003

FINAL



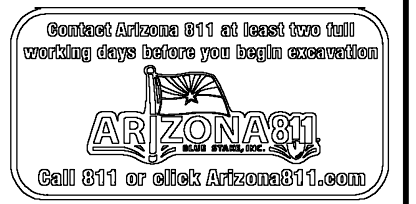
MATCHLINE STA. 147+50 SEE SHEET 70



SIGN SUMMARY TABLE

D = DIAMOND GRADE SHEETING H = HIGH INTENSITY PRISMATIC SHEETING P = PERFORATED POST U = U-CHANNEL POST

STA.	SIGN CODE	NEW	WORK			OFFSET FROM CENTERLINE		PLAN				GROUND MOUNT						REMARKS	
			RELOCATE	REMOVE & SALVAGE	SEE REMARKS	Lt (ft)	Rt (ft)	LEGEND	SIGN SIZE		SHEETING TYPE AREA (sq. ft.)		POSTS						
									WIDTH (in)	LENGTH (in)	H	D	NO. POSTS	TYPE (length)		TOTAL LENGTH	FOUNDATIONS		
												P (ft)	U (ft)		P (ea)	U (ea)			
MILLER ROAD (STATIONS AND OFFSETS REFER TO MILLER ROAD CENTERLINE)																			
NB 12+92	OM3-L	-	-	-	X	-	-	TYPE 3 OBJECT MARKER (LEFT)	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
SB 13+16	OM1-2	-	-	-	X	-	-	TYPE 1 OBJECT MARKER	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
-	OM3-R	-	-	-	X	-	-	TYPE 3 OBJECT MARKER (RIGHT)	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED BELOW OM1-2
NB 13+25	OM1-2	-	-	-	X	-	-	TYPE 1 OBJECT MARKER	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
-	OM3-L	-	-	-	X	-	-	TYPE 3 OBJECT MARKER (LEFT)	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED BELOW OM1-2
EB 13+32	SPECIAL	-	-	-	X	-	-	EMERGENCY VEHICLES ONLY	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
SB 13+76	OM3-R	-	-	-	X	-	-	TYPE 3 OBJECT MARKER (RIGHT)	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
NB 20+23	R2-1(45)	-	-	-	X	-	-	SPEED LIMIT 45	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
-	R8-3	-	-	-	X	-	-	NO PARKING	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED BELOW R2-1(45)
SB 21+75	R2-1(45)	X	-	-	-	23	-	SPEED LIMIT 45	24	30	-	5	1	13	-	13	1	-	-
NB 23+31	D3-2	X	-	-	-	-	36	LOWER BUCKEYE RD	84	18	-	10.5	2	7	-	14	2	-	4' MOUNTING HEIGHT
SB 25+29	SPECIAL	-	-	-	X	-	-	VISITOR CENTER	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
NB 26+12	SPECIAL	-	X	-	-	-	25	SHOP BUCKEYE	-	-	-	-	2	13	-	26	2	-	RELOCATE TO STA 26+12, 63' RT
NB 26+27	OM3-L	-	-	-	X	-	-	TYPE 3 OBJECT MARKER (LEFT)	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
SB 26+73	OM3-R	-	-	-	X	-	-	TYPE 3 OBJECT MARKER (RIGHT)	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
NB 27+66	R3-5fP	X	-	-	-	-	72	RIGHT LANE PLAQUE	30	12	-	2.5	1	13	-	13	1	-	MOUNT ABOVE R3-5(R)
-	R3-5(R)	X	-	-	-	-	-	RIGHT TURN ONLY	30	36	-	7.5	-	-	-	-	-	-	-
NB 28+60	R3-8LQ	-	-	X	-	-	-	INTERSECTION LANE CONTROL (LEFT/STRAIGHT-RIGHT)	-	-	-	-	-	-	-	-	-	-	-
SB 28+61	R2-1	-	-	X	-	-	-	SPEED LIMIT 45	-	-	-	-	-	-	-	-	-	-	-
-	R8-3	-	-	X	-	-	-	NO PARKING	-	-	-	-	-	-	-	-	-	-	-
SB 28+81	W4-2(R)	X	-	-	-	-	61	RIGHT LANE ENDS	36	36	-	9	1	13	-	13	1	-	MOUNT ABOVE W13-1P
-	W13-1P	X	-	-	-	-	-	ADVISORY SPEED 35	18	18	-	2.25	-	-	-	-	-	-	MOUNT BELOW W4-2(R)
SB 30+11	W4-2(R)	X	-	-	-	-	41	RIGHT LANE ENDS	36	36	-	9	-	-	-	-	-	-	MOUNT ON SIGNAL MAST ARM
-	W13-1P	X	-	-	-	-	-	ADVISORY SPEED 35	18	18	-	2.25	-	-	-	-	-	-	MOUNT ON SIGNAL MAST ARM; MOUNT BELOW W4-2R
NB 31+83	R4-7	X	-	-	-	-	13	KEEP RIGHT	24	30	-	5	1	14	-	14	1	-	-
-	OM3-L	X	-	-	-	-	-	TYPE 3 OBJECT MARKER (LEFT)	12	36	-	3	-	-	-	-	-	-	MOUNT BELOW R4-7
NB 33+06	R3-5fP	X	-	-	-	-	79	RIGHT LANE PLAQUE	30	12	-	2.5	1	13	-	13	1	-	MOUNT ABOVE R3-5R
-	R3-5(R)	X	-	-	-	-	-	RIGHT TURN ONLY	30	36	-	7.5	-	-	-	-	-	-	-
SB 34+10	R3-5zPL	X	-	-	-	-	11	LEFT 2 LANES PLAQUE	30	12	-	2.5	1	12	-	12	1	-	MOUNT ABOVE R3-8LL
-	R3-8LL	X	-	-	-	-	-	INTERSECTION LANE CONTROL (LEFT/LEFT)	30	30	-	6.25	-	-	-	-	-	-	-
NB 34+19	R3-5(R)	-	-	X	-	-	-	RIGHT TURN ONLY	-	-	-	-	-	-	-	-	-	-	-



REVISIONS:	
1	
2	
3	
PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS SIGN SUMMARY TABLE	
ENGINEER INFORMATION Kimley-Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 74 OF 133
COB PLAN TRACKING # N/A	COB PERMIT # ENGMJRCIP-21-003

SIGN SUMMARY TABLE

D = DIAMOND GRADE SHEETING H = HIGH INTENSITY PRISMATIC SHEETING P = PERFORATED POST U = U-CHANNEL POST

STA.	SIGN CODE	NEW	WORK			OFFSET FROM CENTERLINE		PLAN				GROUND MOUNT						REMARKS	
			RELOCATE	REMOVE & SALVAGE	SEE REMARKS	Lt (ft)	Rt (ft)	LEGEND	SIGN SIZE		SHEETING TYPE AREA (sq. ft.)		POSTS						
									WIDTH (in)	LENGTH (in)	H	D	NO. POSTS	TYPE (length)	TOTAL LENGTH	FOUNDATIONS			
P (ft)	U (ft)	P (ea)	U (ea)																
SB 34+67	R3-5fP	-	X	-	-	77	-	RIGHT LANE PLAQUE	-	-	-	-	1	13	-	13	1	-	RELOCATE TO STA 36+00, 69' LT
-	R3-5(R)	-	X	-	-	-	-	RIGHT TURN ONLY	-	-	-	-	-	-	-	-	-	-	RELOCATE TO STA 36+00, 69' LT; MOUNT BELOW R3-5bP
NB 34+72	R3-5bP	X	-	-	-	1	-	LEFT LANE PLAQUE	30	12	-	2.5	-	-	-	-	-	-	MOUNT ON LIGHT POLE ABOVE R3-5(L)
-	R3-5(L)	X	-	-	-	-	-	LEFT TURN ONLY	30	36	-	7.5	-	-	-	-	-	-	MOUNT ON LIGHT POLE
SB 34+97	SPECIAL	-	-	-	X	-	-	DO NOT ENTER WHEN FLOODED	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
SB 35+51	D3-2	X	-	-	-	74	-	LOWER BUCKEYE RD	84	18	-	10.5	2	7	-	14	2	-	4' MOUNTING HEIGHT
SB 35+95	R4-7	X	-	-	-	10	-	KEEP RIGHT	24	30	-	5	1	14	-	14	1	-	-
-	OM3-L	X	-	-	-	-	-	TYPE 3 OBJECT MARKER (LEFT)	12	36	-	3	-	-	-	-	-	-	MOUNT BELOW R4-7
NB 35+99	R4-7	X	-	-	-	9	-	KEEP RIGHT	24	30	-	5	1	14	-	14	1	-	-
-	OM3-C	X	-	-	-	-	-	TYPE 3 OBJECT MARKER	12	36	-	3	-	-	-	-	-	-	MOUNT BELOW R4-7
EB 36+40	R1-1	-	-	-	X	-	-	STOP	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
EB 36+55	R3-2	-	-	-	X	-	-	NO LEFT TURN	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
EB 36+65	R6-1(R)	X	-	-	-	4	-	ONE WAY (RIGHT)	36	12	-	3	-	-	-	-	-	-	MOUNT ON LIGHT POLE
WB 36+65	R6-1(R)	X	-	-	-	4	-	ONE WAY (RIGHT)	36	12	-	3	-	-	-	-	-	-	MOUNT ON LIGHT POLE
WB 36+85	R1-1	-	X	-	-	42	-	STOP	-	-	-	-	1	12	-	12	1	-	RELOCATE TO STA 36+89, 79' RT
SB 37+20	R4-7	X	-	-	-	9	-	KEEP RIGHT	24	30	-	5	1	14	-	14	1	-	-
-	OM3-C	X	-	-	-	-	-	TYPE 3 OBJECT MARKER	12	36	-	3	-	-	-	-	-	-	MOUNT BELOW R4-7
NB 37+24	R4-7	X	-	-	-	9	-	KEEP RIGHT	24	30	-	5	1	14	-	14	1	-	-
-	OM3-L	X	-	-	-	-	-	TYPE 3 OBJECT MARKER (LEFT)	12	36	-	3	-	-	-	-	-	-	MOUNT BELOW R4-7
NB 38+13	R2-1(45)	X	-	-	-	53	-	SPEED LIMIT 45	30	36	-	7.5	1	12	-	12	1	-	-
SB 38+81	R3-5bP	X	-	-	-	8	-	LEFT LANE PLAQUE	30	12	-	2.5	1	13	-	13	1	-	MOUNT ABOVE R3-5(L)
-	R3-5(L)	X	-	-	-	-	-	LEFT TURN ONLY	30	36	-	7.5	-	-	-	-	-	-	-
SB 39+16	R3-5fP	-	-	-	X	-	-	RIGHT LANE PLAQUE	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED ON LIGHT POLE
-	R3-5(R)	-	-	-	X	-	-	RIGHT TURN ONLY	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED BELOW R3-5fP ON LIGHT POLE
SB 40+60	W9-101(L)	-	X	-	-	59	-	THRU TRAFFIC MERGE LEFT	-	-	-	-	1	12	-	12	1	-	EXISTING SIGN TO REMAIN; RELOCATED AT STA 42+35, 55' LT
NB 40+61	R3-5fP	X	-	-	-	74	-	RIGHT LANE PLAQUE	30	12	-	2.5	1	13	-	13	1	-	MOUNT ABOVE R3-5(R)
-	R3-5(R)	X	-	-	-	-	-	RIGHT TURN ONLY	30	36	-	7.5	-	-	-	-	-	-	-
NB 40+92	R3-5bP	X	-	-	-	8	-	LEFT LANE PLAQUE	30	12	-	2.5	1	13	-	13	1	-	MOUNT ABOVE R3-5(L)
-	R3-5(L)	X	-	-	-	-	-	LEFT TURN ONLY	30	36	-	7.5	-	-	-	-	-	-	-
SB 42+49	R4-7	X	-	-	-	9	-	KEEP RIGHT	24	30	-	5	1	14	-	14	1	-	-
-	OM3-L	X	-	-	-	-	-	TYPE 3 OBJECT MARKER (LEFT)	12	36	-	3	-	-	-	-	-	-	MOUNT BELOW R4-7
NB 42+53	R4-7	X	-	-	-	9	-	KEEP RIGHT	24	30	-	5	1	14	-	14	1	-	-
-	OM3-C	X	-	-	-	-	-	TYPE 3 OBJECT MARKER	12	36	-	3	-	-	-	-	-	-	MOUNT BELOW R4-7



REVISIONS:

- 1
- 2
- 3

PLAN NAME: MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
SIGN SUMMARY TABLE

ENGINEER INFORMATION
Kimley»Horn

7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL
COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
DESIGN SEAL
Professional Engineer Seal
70672
ZACHARY HANDY
Expires 03/31/26
ARIZONA, U.S.A.

ORIGINAL PLAN DATE: 3/28/2024
LATEST REVISION DATE:

PROJECT NUMBER: CIP #105260
SHEET NUMBER: 75 OF 133

SUBMITTAL: FINAL

COB PLAN TRACKING #
N/A
COB PERMIT #
ENGJMRCIP-21-003

SIGN SUMMARY TABLE

D = DIAMOND GRADE SHEETING H = HIGH INTENSITY PRISMATIC SHEETING P = PERFORATED POST U = U-CHANNEL POST

STA.	SIGN CODE	NEW	WORK			OFFSET FROM CENTERLINE		PLAN				GROUND MOUNT						REMARKS	
			RELOCATE	REMOVE & SALVAGE	SEE REMARKS	Lt (ft)	Rt (ft)	LEGEND	SIGN SIZE		SHEETING TYPE AREA (sq. ft.)		POSTS						
									WIDTH (in)	LENGTH (in)	H	D	NO. POSTS	TYPE (length)	TOTAL LENGTH	FOUNDATIONS			
EB 42+93	R1-1	-	-	-	X	-	-	STOP	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
EB 43+12	R3-2	-	-	-	X	-	-	NO LEFT TURN	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
EB 43+17	R6-1(R)	X	-	-	-	3	-	ONE WAY (RIGHT)	36	12	-	3	-	-	-	-	-	-	MOUNT ON LIGHT POLE
WB 43+17	R6-1(R)	X	-	-	-	3	-	ONE WAY (RIGHT)	36	12	-	3	-	-	-	-	-	-	MOUNT ON LIGHT POLE
WB 43+31	D3-1	-	X	-	-	-	38	MILLER RD	-	-	-	-	1	12	-	12	1	-	RELOCATE TO STA 43+33, 83' RT
-	D3-1	-	X	-	-	-	-	WATKINS ST	-	-	-	-	-	-	-	-	-	-	RELOCATE TO STA 43+33, 83' RT; MOUNT BELOW D3-1
-	R1-1	-	X	-	-	-	-	STOP	-	-	-	-	-	-	-	-	-	-	RELOCATE TO STA 43+33, 83' RT; MOUNT BELOW D3-1
NB 43+47	SPECIAL	-	X	-	-	-	36	JUNCTION I-10 1/2 MILE	-	-	-	-	2	14	-	28	2	-	RELOCATE TO STA 43+46, 60' RT
SB 43+74	R4-7	X	-	-	-	9	-	KEEP RIGHT	24	30	-	5	1	14	-	14	1	-	-
-	OM3-C	X	-	-	-	-	-	TYPE 3 OBJECT MARKER	12	36	-	3	-	-	-	-	-	-	MOUNT BELOW R4-7
NB 43+78	R4-7	X	-	-	-	-	9	KEEP RIGHT	24	30	-	5	1	14	-	14	1	-	-
-	OM3-L	X	-	-	-	-	-	TYPE 3 OBJECT MARKER (LEFT)	12	36	-	3	-	-	-	-	-	-	MOUNT BELOW R4-7
SB 45+35	R3-5bP	X	-	-	-	-	8	LEFT LANE PLAQUE	30	12	-	2.5	1	13	-	13	1	-	MOUNT ABOVE R3-5(L)
-	R3-5(L)	X	-	-	-	-	-	LEFT TURN ONLY	30	36	-	7.5	-	-	-	-	-	-	-
SB 46+13	R3-5fP	X	-	-	-	76	-	RIGHT LANE PLAQUE	30	12	-	2.5	-	-	-	-	-	-	MOUNT ON LIGHT POLE ABOVE R3-5(R)
-	R3-5(R)	X	-	-	-	-	-	RIGHT TURN ONLY	30	36	-	7.5	-	-	-	-	-	-	MOUNT BELOW R3-5fP ON LIGHT POLE
NB 47+12	R3-5fP	X	-	-	-	-	74	RIGHT LANE PLAQUE	30	12	-	2.5	1	13	-	13	1	-	MOUNT ABOVE R3-5(R)
-	R3-5(R)	X	-	-	-	-	-	RIGHT TURN ONLY	30	36	-	7.5	-	-	-	-	-	-	-
NB 47+48	R3-5bP	X	-	-	-	8	-	LEFT LANE PLAQUE	30	12	-	2.5	1	13	-	13	1	-	MOUNT ABOVE R3-5(L)
-	R3-5(L)	X	-	-	-	-	-	LEFT TURN ONLY	30	36	-	7.5	-	-	-	-	-	-	-
NB 48+49	R3-5fP	-	-	X	-	-	-	RIGHT LANE PLAQUE	-	-	-	-	-	-	-	-	-	-	-
-	R3-5(R)	-	-	X	-	-	-	RIGHT TURN ONLY	-	-	-	-	-	-	-	-	-	-	-
SB 49+05	R4-7	X	-	-	-	9	-	KEEP RIGHT	24	30	-	5	1	14	-	14	1	-	-
-	OM3-L	X	-	-	-	-	-	TYPE 3 OBJECT MARKER (LEFT)	12	36	-	3	-	-	-	-	-	-	MOUNT BELOW R4-7
NB 49+09	R4-7	X	-	-	-	-	9	KEEP RIGHT	24	30	-	5	1	14	-	14	1	-	-
-	OM3-C	X	-	-	-	-	-	TYPE 3 OBJECT MARKER	12	36	-	3	-	-	-	-	-	-	MOUNT BELOW R4-7
EB 49+49	R1-1	-	-	-	X	-	-	STOP	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
EB 49+65	R3-2	-	-	-	X	-	-	NO LEFT TURN	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
WB 49+84	R6-1(R)	X	-	-	-	9	-	ONE WAY (RIGHT)	36	12	-	3	-	-	-	-	-	-	4' MOUNTING HEIGHT; MOUNT ON POLE
EB 49+84	R6-1(R)	X	-	-	-	9	-	ONE WAY (RIGHT)	36	12	-	3	-	-	-	-	-	-	4' MOUNTING HEIGHT; MOUNT ON POLE
WB 49+90	D3-1	-	X	-	-	-	62	HESS LN	-	-	-	-	1	12	-	12	1	-	RELOCATE TO STA 49+96, 81' RT
-	D3-1	-	X	-	-	-	-	MILLER ROAD	-	-	-	-	-	-	-	-	-	-	RELOCATE TO STA 49+96, 81' RT; MOUNT BELOW D3-1
-	R1-1	-	X	-	-	-	-	STOP	-	-	-	-	-	-	-	-	-	-	RELOCATE TO STA 49+96, 81' RT; MOUNT BELOW D3-1



REVISIONS:

- 1
- 2
- 3

PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS SIGN SUMMARY TABLE

ENGINEER INFORMATION: **Kimley-Horn**
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL: [Signature]

COB ENGINEERING APPROVED SEAL: [Signature]

AS-BUILT SEAL: [Signature]

DESIGN SEAL: [Signature]

ORIGINAL PLAN DATE: 3/28/2024

LATEST REVISION DATE: [Blank]

PROJECT NUMBER: CIP #105260

SHEET NUMBER: 76 OF 133

COB PLAN TRACKING #

COB PERMIT #

ENG/MJRC/P-21-003

SUBMITTAL: FINAL

SIGN SUMMARY TABLE

D = DIAMOND GRADE SHEETING H = HIGH INTENSITY PRISMATIC SHEETING P = PERFORATED POST U = U-CHANNEL POST

STA.	SIGN CODE	NEW	WORK			OFFSET FROM CENTERLINE		PLAN				GROUND MOUNT					REMARKS		
			RELOCATE	REMOVE & SALVAGE	SEE REMARKS	Lt (ft)	Rt (ft)	LEGEND	SIGN SIZE		SHEETING TYPE AREA (sq. ft.)		POSTS			FOUNDATIONS			
									WIDTH (in)	LENGTH (in)	H	D	NO. POSTS	TYPE (length)	TOTAL LENGTH			P (ea)	U (ea)
SB 50+55	R3-5fP	-	-	-	X	-	-	RIGHT LANE PLAQUE	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED ON LIGHT POLE
-	R3-5(R)	-	-	-	X	-	-	RIGHT TURN ONLY	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED BELOW R3-5fP ON LIGHT POLE
NB 50+69	D3-2	X	-	-	-	1	-	DURANGO ST	84	18	-	10.5	2	7	-	14	2	-	4' MOUNTING HEIGHT
NB 51+21	R3-5fP	X	-	-	-	-	81	RIGHT LANE PLAQUE	30	12	-	2.5	1	13	-	13	1	-	MOUNT ABOVE R3-5(R)
-	R3-5(R)	X	-	-	-	-	-	RIGHT TURN ONLY	30	36	-	7.5	-	-	-	-	-	-	-
NB 51+35	R3-5fP	-	-	X	-	-	-	RIGHT LANE PLAQUE	-	-	-	-	-	-	-	-	-	-	-
-	R3-5(R)	-	-	X	-	-	-	RIGHT TURN ONLY	-	-	-	-	-	-	-	-	-	-	-
NB 51+58	R4-7	-	-	X	-	-	-	KEEP RIGHT	-	-	-	-	-	-	-	-	-	-	-
-	OM3-L	-	-	X	-	-	-	TYPE 3 OBJECT MARKER (LEFT)	-	-	-	-	-	-	-	-	-	-	-
SB 52+19	R3-5fP	-	-	-	X	-	-	RIGHT LANE PLAQUE	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
-	R3-5(R)	-	-	-	X	-	-	RIGHT TURN ONLY	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED BELOW R3-5fP
NB 52+29	R3-5bP	X	-	-	-	11	-	LEFT LANE PLAQUE	30	12	-	2.5	1	13	-	13	1	-	MOUNT ABOVE R3-5(L)
-	R3-5(L)	X	-	-	-	-	-	LEFT TURN ONLY	30	36	-	7.5	-	-	-	-	-	-	MOUNT BELOW R3-5bP
WB 52+83	R3-2	-	X	-	-	4	-	NO LEFT TURN	-	-	-	-	1	9	-	9	1	-	RELOCATE TO STA 52+83, 12' LT
-	R6-1(R)	-	X	-	-	-	-	ONE WAY (RIGHT)	-	-	-	-	-	-	-	-	-	-	RELOCATE TO STA 52+83, 12' LT; MOUNT BELOW R3-2
NB 53+32	R3-5fP	X	-	-	-	-	78	RIGHT LANE PLAQUE	30	12	-	2.5	1	13	-	13	1	-	MOUNT ABOVE R3-5(R)
-	R3-5(R)	X	-	-	-	-	-	RIGHT TURN ONLY	30	36	-	7.5	-	-	-	-	-	-	-
SB 53+98	R2-1(45)	-	-	-	X	-	-	SPEED LIMIT 45	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
NB 54+35	R3-5fP	-	-	X	-	-	-	RIGHT LANE PLAQUE	-	-	-	-	-	-	-	-	-	-	-
-	R3-5(R)	-	-	X	-	-	-	RIGHT TURN ONLY	-	-	-	-	-	-	-	-	-	-	-
SB 55+39	D1-1	-	-	-	X	-	-	TO YUMA RD (LEFT)	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED ON SIGNAL POLE
SB 55+39	R9-3	-	-	X	-	-	-	NO PEDESTRIANS	-	-	-	-	-	-	-	-	-	-	-
SB 55+47	R4-7	-	X	-	-	12	-	KEEP RIGHT	-	-	-	-	1	12	-	12	1	-	RELOCATE TO STA 55+18, 12' LT
-	OM1-2	-	-	X	-	-	-	TYPE 1 OBJECT MARKER	-	-	-	-	-	-	-	-	-	-	-
-	OM3-L	X	-	-	-	12	-	TYPE 3 OBJECT MARKER (LEFT)	12	36	-	3	1	12	-	12	1	-	MOUNT BELOW R4-7; STA 55+18
SB 55+72	R9-3	-	-	X	-	-	-	NO PEDESTRIANS	-	-	-	-	-	-	-	-	-	-	-
NB 56+82	R9-3	-	-	X	-	-	-	NO PEDESTRIANS	-	-	-	-	-	-	-	-	-	-	-
NB 57+25	R4-7	X	-	-	-	-	13	KEEP RIGHT	24	30	-	5	1	14	-	14	1	-	-
-	OM3-L	X	-	-	-	-	-	TYPE 3 OBJECT MARKER (LEFT)	12	36	-	3	-	-	-	-	-	-	MOUNT BELOW R4-7
NB 57+35	D1-1	-	-	-	X	-	-	TO YUMA RD (RIGHT)	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED ON SIGNAL POLE
NB 57+35	R9-3	-	-	X	-	-	-	NO PEDESTRIANS	-	-	-	-	-	-	-	-	-	-	-
SB 57+96	R3-5(R)	-	-	-	X	-	-	RIGHT TURN ONLY	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
EB 58+88	R1-1	-	-	-	X	-	-	STOP	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN



REVISIONS:

1

2

3

PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS SIGN SUMMARY TABLE

ENGINEER INFORMATION: **Kimley-Horn**
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL: [Signature]

COB ENGINEERING APPROVED SEAL: [Signature]

AS-BUILT SEAL: [Signature]

DESIGN SEAL: [Signature]

70672 ZACHARY HANDY
Professional Engineer
License No. 70672
Expires 03/31/26
ARIZONA, U.S.A.

ORIGINAL PLAN DATE: 3/28/2024

LATEST REVISION DATE:

PROJECT NUMBER: CIP #105260

SHEET NUMBER: 77 OF 133

COB PLAN TRACKING #

COB PERMIT #

ENG/MJRC/P-21-003

SUBMITTAL: FINAL

SIGN SUMMARY TABLE

D = DIAMOND GRADE SHEETING H = HIGH INTENSITY PRISMATIC SHEETING P = PERFORATED POST U = U-CHANNEL POST

STA.	SIGN CODE	NEW	WORK			OFFSET FROM CENTERLINE		LEGEND	SIGN SIZE		SHEETING TYPE AREA (sq. ft.)		GROUND MOUNT POSTS				REMARKS			
			RELOCATE	REMOVE & SALVAGE	SEE REMARKS	Lt (ft)	Rt (ft)		WIDTH (in)	LENGTH (in)	NO. POSTS		TYPE (length)		TOTAL LENGTH	FOUNDATIONS				
											H	D	P (ft)	U (ft)		P (ea)		U (ea)		
SB 59+13	R3-5bP	X	-	-	-	-	13	LEFT LANE PLAQUE	30	12	-	2.5	1	13	-	13	1	-	MOUNT ABOVE R3-5(L)	
-	R3-5(L)	X	-	-	-	-	-	LEFT TURN ONLY	30	36	-	7.5	-	-	-	-	-	-	-	-
EB 59+25	R3-2	X	-	-	-	75	-	NO LEFT TURN	24	24	-	4	1	11	-	11	1	-	-	-
NB 60+66	R3-5zPL	X	-	-	-	-	11	LEFT 2 LANES	30	12	-	2.5	1	12	-	12	1	-	MOUNT ABOVE R3-8LL	
-	R3-8LL	X	-	-	-	-	-	INTERSECTION LANE CONTROL (LEFT/LEFT)	30	30	-	6.25	-	-	-	-	-	-	-	-
SB 60+74	R3-5fP	-	-	-	X	-	-	RIGHT LANE PLAQUE	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN	
-	R3-5(R)	-	-	-	X	-	-	RIGHT TURN ONLY	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED BELOW R3-5fP	
NB 61+95	W3-5	-	X	-	-	-	61	REDUCED SPEED LIMIT AHEAD	-	-	-	-	1	12	-	12	1	-	RELOCATE TO STA 58+92, 59' RT	
SB 61+96	D3-2	X	-	-	-	71	-	DURANGO ST	84	18	-	10.5	2	7	-	14	2	-	4' MOUNTING HEIGHT	
SB 62+26	R4-7	X	-	-	-	-	11	KEEP RIGHT	24	30	-	5	1	11	-	11	1	-	MOUNT ABOVE OM3-L	
-	OM3-L	X	-	-	-	-	-	TYPE 3 OBJECT MARKER (LEFT)	12	36	-	3	-	-	-	-	-	-	-	
SB 62+33	D1-1	-	-	-	X	-	-	TO YUMA RD (UP)	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED ON SIGNAL POLE	
SB 62+54	R9-3	-	-	X	-	-	-	NO PEDESTRIANS	-	-	-	-	-	-	-	-	-	-	-	
NB 63+89	D11-1a	-	-	-	X	-	-	INTERSECTION LANE CONTROL (LEFT/LEFT/RIGHT)	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN	
-	M4-14	-	-	-	X	-	-	BEGIN	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED BELOW D11-1a	
NB 64+05	R3-5fP	-	-	-	X	-	-	RIGHT LANE PLAQUE	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED ON SIGNAL POLE	
-	R3-5(R)	-	-	-	X	-	-	RIGHT TURN ONLY	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED ON SIGNAL POLE	
NB 64+05	W9-101(L)	-	-	-	X	-	-	THRU TRAFFIC MERGE LEFT	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED ON SIGNAL POLE	
NB 64+13	R4-7	-	-	-	X	-	-	KEEP RIGHT	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN	
-	OM3-L	-	-	-	X	-	-	TYPE 3 OBJECT MARKER (LEFT)	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN	
-	R3-18	X	-	-	-	-	13	NO LEFT/U TURN	30	30	-	6.25	-	-	-	-	-	-	MOUNT ON BACK OF R4-7	
-	R3-5U	-	-	X	-	-	-	U TURN ONLY	-	-	-	-	-	-	-	-	-	-	-	
SB 64+87	R3-5fP	-	-	-	X	-	-	RIGHT LANE PLAQUE	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN	
-	R3-5(R)	-	-	-	X	-	-	RIGHT TURN ONLY	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED BELOW R3-5R	
NB 65+55	R2-1(25)	-	-	-	X	-	-	SPEED LIMIT 25	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN	
SB 65+66	R2-1(45)	-	-	-	X	-	-	SPEED LIMIT 45	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED BELOW R3-5fP	
NB 66+04	W1-4	-	-	-	X	-	-	REVERSE CURVE	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN	
SB 67+19	D11-1a	-	-	-	X	-	-	BICYCLES	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN	
-	M4-6	-	-	-	X	-	-	END	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED BELOW D11-1a	
NB 67+63	R9-7	-	-	-	X	-	-	SHARED-USE PATH RESTRICTION	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN	
SB 68+37	R3-5fP	-	-	X	-	-	-	RIGHT LANE PLAQUE	-	-	-	-	-	-	-	-	-	-	-	
-	R3-5(R)	-	-	X	-	-	-	RIGHT TURN ONLY	-	-	-	-	-	-	-	-	-	-	-	
NB 68+63	E6-101a	-	-	-	X	-	-	I-10 WEST LOS ANGELES	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED ON SIGN STRUCTURE	

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\2-Sheets\Traffic\SS00.dwg | 3/26/2024 | CHENG, DINA



REVISIONS:

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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS SIGN SUMMARY TABLE

ENGINEER INFORMATION: **Kimley-Horn**
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL: [Signature]

COB ENGINEERING APPROVED SEAL: [Signature]

AS-BUILT SEAL: [Signature]

DESIGN SEAL: [Signature]

70672 ZACHARY HANDY
Professional Engineer
ARIZONA, U.S.A.
Expires: 03/31/26

ORIGINAL PLAN DATE: 3/28/2024

LATEST REVISION DATE: [Blank]

PROJECT NUMBER: CIP #105260

SHEET NUMBER: 78 OF 133

COB PLAN TRACKING # [Blank]

COB PERMIT # [Blank]

ENG/MJ/RCP-21-003

FINAL

SIGN SUMMARY TABLE

D = DIAMOND GRADE SHEETING H = HIGH INTENSITY PRISMATIC SHEETING P = PERFORATED POST U = U-CHANNEL POST

STA.	SIGN CODE	NEW	WORK			OFFSET FROM CENTERLINE		PLAN				GROUND MOUNT						REMARKS	
			RELOCATE	REMOVE & SALVAGE	SEE REMARKS	Lt (ft)	Rt (ft)	LEGEND	SIGN SIZE		SHEETING TYPE AREA (sq. ft.)		POSTS						
									WIDTH (in)	LENGTH (in)	H	D	NO. POSTS	TYPE (length)	TOTAL LENGTH	FOUNDATIONS			
												P (ft)	U (ft)	P (ea)	U (ea)				
NB 68+63	E6-101a	-	-	-	X	-	-	I-10 EAST PHOENIX	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED ON SIGN STRUCTURE		
NB 68+63	R3-5zPR	-	-	-	X	-	-	RIGHT 2 LANES	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED ON SIGN STRUCTURE		
-	R3-8RR	-	-	-	X	-	-	INTERSECTION LANE CONTROL (RIGHT/RIGHT)	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED ON SIGN STRUCTURE		
NB 70+54	W3-3	-	-	-	X	-	-	SIGNAL AHEAD	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN		
SB 70+71	R3-5fP	-	-	X	-	-	-	RIGHT LANE PLAQUE	-	-	-	-	-	-	-	-	-		
-	R3-5(R)	-	-	X	-	-	-	RIGHT TURN ONLY	-	-	-	-	-	-	-	-	-		
SB 71+09	R3-2	-	-	-	X	-	-	NO LEFT TURN	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN		
SB 71+24	R5-1	-	-	-	X	-	-	DO NOT ENTER	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN		
-	R5-1a	-	-	-	X	-	-	WRONG WAY	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED BELOW R3-1		
-	R3-4	-	-	-	X	-	-	NO U TURN	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED BELOW R5-10a		
LOWER BUCKEYE ROAD (STATIONS AND OFFSETS REFER TO LOWER BUCKEYE ROAD CENTERLINE)																			
WB 140+61	SPECIAL	-	-	-	X	-	-	NOT A THRU STREET	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN		
SB 141+50	R1-1	-	-	-	X	-	-	STOP	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN		
EB 143+84	R8-3	-	-	-	X	-	-	NO PARKING	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN		
EB 144+84	R4-7	X	-	-	-	-	0	KEEP RIGHT	24	30	-	5	1	14	-	14	1	-	
-	OM3-L	X	-	-	-	-	-	TYPE 3 OBJECT MARKER (LEFT)	12	36	-	3	-	-	-	-	-	MOUNT BELOW R4-7	
WB 145+10	R3-17	X	-	-	-	-	58	BIKE LANE	30	24	-	5	-	-	-	-	-	MOUNT ON LIGHT POLE	
-	R3-17bP	X	-	-	-	-	-	ENDS	30	12	-	2.5	-	-	-	-	-	MOUNT ON LIGHT POLE; MOUNT BELOW R3-17	
EB 145+42	D3-2	X	-	-	-	-	0	MILLER RD	72	18	-	9	2	7	-	14	2	-	4' MOUNTING HEIGHT
WB 145+68	R3-5fP	X	-	-	-	-	51	RIGHT LANE PLAQUE	30	12	-	2.5	1	13	-	13	1	-	MOUNT ABOVE R3-5(R)
-	R3-5(R)	X	-	-	-	-	-	RIGHT TURN ONLY	30	36	-	7.5	-	-	-	-	-	-	-
WB 146+73	R2-1(35)	-	-	-	X	-	-	SPEED LIMIT 35	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
-	R8-3	-	-	-	X	-	-	NO PARKING	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
EB 146+82	R3-5zPL	X	-	-	-	-	12	LEFT 2 LANES	30	12	-	2.5	1	12	-	12	1	-	MOUNT ABOVE R3-8LL
-	R3-8LL	X	-	-	-	-	-	INTERSECTION LANE CONTROL (LEFT/LEFT)	30	30	-	6.25	-	-	-	-	-	-	-
EB 146+96	R3-5fP	X	-	-	-	-	69	RIGHT LANE PLAQUE	30	12	-	2.5	1	13	-	13	1	-	MOUNT ABOVE R3-5(R)
-	R3-5(R)	X	-	-	-	-	-	RIGHT TURN ONLY	30	36	-	7.5	-	-	-	-	-	-	-
EB 148+29	R3-8LSR	-	-	X	-	-	-	INTERSECTION LANE CONTROL (LEFT/STRAIGHT/RIGHT)	-	-	-	-	-	-	-	-	-	-	-
WB 148+62	W9-101(L)	X	-	-	-	-	51	THRU TRAFFIC MERGE LEFT	36	36	-	9	1	12	-	12	1	-	-
WB 148+77	R4-7	X	-	-	-	-	12	KEEP RIGHT	24	30	-	5	1	14	-	14	1	-	-
-	OM3-L	X	-	-	-	-	-	TYPE 3 OBJECT MARKER (LEFT)	12	36	-	3	-	-	-	-	-	-	MOUNT BELOW R4-7
WB 149+41	R9-3	X	-	-	-	-	-	NO PEDESTRIANS	18	18	-	2.25	-	-	-	-	-	-	MOUNT ON SIGNAL POLE
-	R9-3bP	X	-	-	-	-	-	USE CROSSWALK (LEFT)	18	12	-	1.5	-	-	-	-	-	-	MOUNT ON SIGNAL POLE; MOUNT BELOW R9-3



REVISIONS:

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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS SIGN SUMMARY TABLE

ENGINEER INFORMATION: **Kimley»Horn**
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL: [Signature]

COB ENGINEERING APPROVED SEAL: [Signature]

AS-BUILT SEAL: [Signature]

DESIGN SEAL: [Signature]

ORIGINAL PLAN DATE: 3/28/2024

LATEST REVISION DATE: [Blank]

PROJECT NUMBER: CIP #105260

SHEET NUMBER: 79 OF 133

COB PLAN TRACKING #

COB PERMIT #

ENG/MJRC/P-21-003

SUBMITTAL: FINAL

SIGN SUMMARY TABLE

D = DIAMOND GRADE SHEETING H = HIGH INTENSITY PRISMATIC SHEETING P = PERFORATED POST U = U-CHANNEL POST

STA.	SIGN CODE	NEW	WORK			OFFSET FROM CENTERLINE		PLAN				GROUND MOUNT						REMARKS	
			RELOCATE	REMOVE & SALVAGE	SEE REMARKS	Lt (ft)	Rt (ft)	LEGEND	SIGN SIZE		SHEETING TYPE AREA (sq. ft.)		POSTS						
									WIDTH (in)	LENGTH (in)	H	D	NO. POSTS	TYPE (length)	TOTAL LENGTH	FOUNDATIONS			
P (ft)	U (ft)	P (ea)	U (ea)																
WB 149+41	W9-101(L)	X	-	-	-	36	-	THRU TRAFFIC MERGE LEFT	36	36	-	9	-	-	-	-	-	-	MOUNT ON SIGNAL MAST ARM
EB 150+60	R9-3	X	-	-	-	54	-	NO PEDESTRIANS	18	18	-	2.25	-	-	-	-	-	-	MOUNT ON SIGNAL POLE
-	R9-3bP	X	-	-	-	-	-	USE CROSSWALK (RIGHT)	18	12	-	1.5	-	-	-	-	-	-	MOUNT ON SIGNAL POLE; MOUNT BELOW R9-3
EB 151+24	R4-7	X	-	-	-	-	12	KEEP RIGHT	24	30	-	5	1	14	-	14	1	-	-
-	OM3-L	X	-	-	-	-	-	TYPE 3 OBJECT MARKER (LEFT)	12	36	-	3	-	-	-	-	-	-	MOUNT BELOW R4-7
EB 151+70	SPECIAL	-	X	-	-	-	-	COB SIGN	-	-	-	-	1	12	-	12	1	-	RELOCATE TO STA 151+63, 57' RT
-	SPECIAL	-	X	-	-	-	-	COB SIGN	-	-	-	-	-	-	-	-	-	-	RELOCATE TO STA 151+63; MOUNT BELOW SPECIAL
WB 153+02	R3-5zPL	X	-	-	-	-	12	LEFT 2 LANES PLAQUE	30	12	-	2.5	1	12	-	12	1	-	MOUNT ABOVE R3-8LL
-	R3-8LL	X	-	-	-	-	-	INTERSECTION LANE CONTROL (LEFT/LEFT)	30	30	-	6.25	-	-	-	-	-	-	-
WB 153+02	R3-5fP	X	-	-	-	68	-	RIGHT LANE PLAQUE	30	12	-	2.5	1	13	-	13	1	-	MOUNT ABOVE R3-5(R)
-	R3-5(R)	X	-	-	-	-	-	RIGHT TURN ONLY	30	36	-	7.5	-	-	-	-	-	-	-
EB 153+18	R3-17	X	-	-	-	-	51	BIKE LANE	30	24	-	5	1	12	-	12	1	-	-
-	R3-17bP	X	-	-	-	-	-	ENDS	30	12	-	2.5	-	-	-	-	-	-	MOUNT BELOW R3-17
WB 153+30	R3-8LSR	-	-	X	-	-	-	INTERSECTION LANE CONTROL (LEFT/STRAIGHT/RIGHT)	-	-	-	-	-	-	-	-	-	-	-
EB 153+53	W4-2(L)	X	-	-	-	-	10	LANE ENDS (LEFT)	36	36	-	2.5	1	12	-	12	1	-	-
EB 153+53	W4-2(L)	X	-	-	-	-	47	LANE ENDS (LEFT)	36	36	-	2.5	1	12	-	12	1	-	-
WB 153+72	R2-1(35)	-	-	-	X	-	-	SPEED LIMIT 35	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
-	R8-3	-	-	-	X	-	-	NO PARKING	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED BELOW R2-1(35)
WB 154+38	D3-2	X	-	-	-	-	0	MILLER RD	72	18	-	9	2	7	-	14	2	-	4' MOUNTING HEIGHT
WB 154+91	R8-3	-	-	X	-	-	-	NO PARKING	-	-	-	-	-	-	-	-	-	-	-
WB 155+00	R4-7	X	-	-	-	-	2	KEEP RIGHT	24	30	-	5	1	14	-	14	1	-	-
-	OM3-L	X	-	-	-	-	-	TYPE 3 OBJECT MARKER (LEFT)	12	36	-	3	-	-	-	-	-	-	MOUNT BELOW R4-7
WB 159+97	OM1-2	-	-	-	X	-	-	TYPE 1 OBJECT MARKER	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED ON BARRICADE
EB 160+97	R4-7	-	-	-	X	-	-	KEEP RIGHT	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
-	OM3-L	-	-	-	X	-	-	TYPE 3 OBJECT MARKER (LEFT)	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED BELOW R4-7
EB 161+06	R3-5bP	-	-	-	X	-	-	LEFT LANE	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
-	R3-5(L)	-	-	-	X	-	-	LEFT TURN ONLY	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED BELOW R3-5bP
WB 163+10	R2-1(35)	-	-	-	X	-	-	SPEED LIMIT 35	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN
-	R8-3	-	-	-	X	-	-	NO PARKING	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED BELOW R2-1
DURANGO STREET (STATIONS AND OFFSETS REFER TO DURANGO STREET CENTERLINE)																			
WB 198+98	R9-3	-	-	-	X	-	-	NO PEDESTRIANS	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED ON SIGNAL POLE
-	R9-3bP	X	-	-	-	54	-	USE CROSSWALK (LEFT)	18	12	-	1.5	-	-	-	-	-	-	MOUNT ON SIGNAL POLE; MOUNT BELOW R9-3
WB 199+33	R9-3	-	-	X	-	-	-	NO PEDESTRIANS	-	-	-	-	-	-	-	-	-	-	-



REVISIONS:	
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PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS SIGN SUMMARY TABLE	
ENGINEER INFORMATION Kimley-Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 80 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING # N/A	
COB PERMIT # ENGMJRPCP-21-003	

SIGN SUMMARY TABLE

D = DIAMOND GRADE SHEETING H = HIGH INTENSITY PRISMATIC SHEETING P = PERFORATED POST U = U-CHANNEL POST

STA.	SIGN CODE	NEW	WORK			OFFSET FROM CENTERLINE		PLAN				GROUND MOUNT				REMARKS					
			RELOCATE	REMOVE & SALVAGE	SEE REMARKS	Lt (ft)	Rt (ft)	LEGEND	SIGN SIZE		SHEETING TYPE AREA (sq. ft.)		POSTS								
									WIDTH (in)	LENGTH (in)	H	D	NO. POSTS	TYPE (length)			TOTAL LENGTH	FOUNDATIONS			
		P (ft)	U (ft)	P (ea)	U (ea)																
EB 200+63	R9-3	-	-	-	X	-	-	NO PEDESTRIANS	-	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN; MOUNTED ON SIGNAL POLE	
-	R9-3bP	X	-	-	-	107	-	USE CROSSWALK (RIGHT)	18	12	-	1.5	-	-	-	-	-	-	-	MOUNT ON SIGNAL POLE; MOUNT BELOW R9-3	
EB 201+03	R9-3	-	-	X	-	-	-	NO PEDESTRIANS	-	-	-	-	-	-	-	-	-	-	-	-	
PIMA STREET (STATIONS AND OFFSETS REFER TO MILLER ROAD CENTERLINE)																					
WB 62+33	R9-3	-	-	X	-	-	-	NO PEDESTRIANS	-	-	-	-	-	-	-	-	-	-	-	MOUNTED ON SIGNAL POLE	
-	R9-3bP	-	-	X	-	-	-	USE CROSSWALK (LEFT)	-	-	-	-	-	-	-	-	-	-	-	MOUNTED ON SIGNAL POLE; MOUNTED BELOW R9-3	
EB 62+65	R3-8LLR	-	-	-	X	-	-	INTERSECTION LANE CONTROL (LEFT/LEFT/RIGHT)	-	-	-	-	-	-	-	-	-	-	-	EXISTING SIGN TO REMAIN	
WB 63+68	R9-3	X	-	-	-	101	-	NO PEDESTRIANS	18	18	-	2.25	-	-	-	-	-	-	-	MOUNT ON SIGNAL POLE	
-	R9-3bP	X	-	-	-	-	-	USE CROSSWALK (LEFT)	18	12	-	1.5	-	-	-	-	-	-	-	MOUNT ON SIGNAL POLE; MOUNT BELOW R9-3	
EB 62+46	R9-3	-	-	X	-	-	-	NO PEDESTRIANS	-	-	-	-	-	-	-	-	-	-	-	-	
-	R9-3bP	-	-	X	-	-	-	USE CROSSWALK (LEFT)	-	-	-	-	-	-	-	-	-	-	-	MOUNTED BELOW R9-3	
EB 64+05	R9-3	X	-	-	-	-	62	NO PEDESTRIANS	18	18	-	2.25	-	-	-	-	-	-	-	MOUNT ON SIGNAL POLE	
-	R9-3bP	X	-	-	-	-	-	USE CROSSWALK (RIGHT)	18	12	-	1.5	-	-	-	-	-	-	-	MOUNT ON SIGNAL POLE; MOUNT BELOW R9-3	
EB 63+08	W1-7	-	-	-	X	-	-	TWO-DIRECTION LARGE ARROW	-	-	-	-	-	-	-	-	-	4	-	MOUNTED ON EXISTING BARRICADE TO BE RELOCATED TO STA 63+08, 104' RT.	
										TOTALS		523.25				831	74				



REVISIONS:

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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS

ENGINEER INFORMATION: **Kimley»Horn**
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL: [Signature]

COB ENGINEERING APPROVED SEAL: [Signature]

AS-BUILT SEAL: [Signature]

DESIGN SEAL: [Professional Engineer Seal for ZACHARY HANDY, 70672, Expired 03/31/26]

ORIGINAL PLAN DATE: 3/28/2024

LATEST REVISION DATE: [Blank]

PROJECT NUMBER: CIP #105260

SHEET NUMBER: 81 OF 133

COB PLAN TRACKING #

COB PERMIT #

ENG/MJ/RCP-21-003

SUBMITTAL: FINAL

CITY OF BUCKEYE TRAFFIC SIGNAL NOTES

- TRAFFIC CONTROL PLANS SHALL CONFORM TO THE CITY OF PHOENIX TRAFFIC BARRICADE MANUAL AND MUTCD SECTION 6. TRAFFIC CONTROL PLANS SHALL BE REVIEWED AND APPROVED BY CITY PUBLIC WORKS INSPECTOR.
- UTILITY LOCATIONS SHOWN ARE BASED UPON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL CONTACT BLUE STAKE AT 602-263-1100 BEFORE CONSTRUCTION AND VERIFY ACTUAL UTILITY LOCATIONS.
- TRAFFIC SIGNAL POLES, MAST ARMS AND SERVICE CABINETS SHALL BE PAINTED WITH TWO COATS OF WHITE ENAMEL PAINT MEETING MANUFACTURE RECOMMENDATIONS.
- ALL CORNER PULL BOXES SHALL BE NUMBER 7 WITH EXTENSION WITH 18-INCH DRAINAGE, CONSISTING OF #57 ROCK, PER ADOT SPEC. THE MEDIAN PULL BOX SHALL BE NUMBER 5.
- A GROUND ROD SHALL BE INSTALLED WITHIN THE CUSTOMER SIDE OF THE ELECTRICAL SERVICE PANEL AND IN THE CONTROL CABINET FOUNDATION AND SATISFY CITY'S BUILDING CODE REQUIREMENTS.
- PAVEMENT REPLACEMENT SHALL CONFORM TO CITY SECTION 6-3 STREET PLANNING AND DESIGN CRITERIA MANUAL. SIDEWALK REPLACEMENT SHALL CONFORM TO MAG STANDARD DETAIL 230, 231, 232, 233, AND 234, AS APPROPRIATE.
- INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE PROVIDED AND MOUNTED ON TRAFFIC SIGNAL MAST ARMS FOR TROMBONES STYLE POLES AND FLAG MOUNTED ON ADOT STYLE POLES IN ACCORDANCE WITH THE CITY OF BUCKEYE TRAFFIC SIGNAL DETAILS.
- APPLICABLE SIGNAL AND PEDESTRIAN INDICATIONS SHALL BE WIDE-ANGLE LED TYPE LAMPS PER THE CITY APPROVED PRODUCT LIST.
- A FULLY FUNCTIONAL EMERGENCY VEHICLE PRE-EMPTION (EVP) INCLUDING DEVICE, CABLING, PHASE SELECTOR, AND MOUNTING BRACKETS SHALL BE PROVIDED AND INSTALLED. THE EVP SHALL BE FIELD-ADJUSTED TO OPTIMIZE RECEPTION. EVP PER THE CITY APPROVED PRODUCT LIST.
- ALL EXISTING TRAFFIC CONTROL AND STREET LIGHTS SHALL REMAIN IN OPERATION UNTIL NEW INSTALLATIONS ARE ENERGIZED AND OPERATIONAL. ANY TRAFFIC DETECTORS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH TEMPORARY DETECTORS UNTIL THE FINAL DETECTION SYSTEM IS IN PLACE AND OPERATIONAL.
- ANY REMOVED CITY EQUIPMENT SHALL BE SALVAGED AND RETURNED TO THE CITY PUBLIC WORKS DEPARTMENT AT 23454 W. MC HIGHWAY 85 BUCKEYE, AZ. ALL SALVAGED EQUIPMENT SHALL BE DISMANTLED.
- QUESTIONS CONCERNING TRAFFIC SIGNAL DESIGN SHOULD BE DIRECTED TO ZACK HANDY, KIMLEY-HORN, 7740 N. 16TH STREET, SUITE 300, PHOENIX, AZ 85020, 602-944-5500.
- AT START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE CITY PUBLIC WORKS DEPARTMENT AT 623 349-6825 TO ENSURE THE AVAILABILITY OF THE CITY TRAFFIC SIGNAL TECHNICIAN AND COORDINATE POWER AUTHORIZATION, CABINET SET UP, INSPECTION REQUIREMENTS AND THE PRECONSTRUCTION MEETING. CITY TRAFFIC SIGNAL TECHNICIAN SHALL BE CALLED 48-HOURS PRIOR TO ALL INSPECTION POINTS, AS CALLED FOR.
- AT START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE ELECTRIC POWER PROVIDER TO CONFIRM POWER LOCATION AND TO SCHEDULE INSPECTION.
- ALL WIRES SHALL BE COLOR CODED WITH TAPE AS SHOWN IN CITY STANDARD DETAIL 64270.
- ALL SIGNAL FOUNDATIONS SHALL BE FLAT, NOT DISHED OR BLOCKED/OUT. FOUNDATIONS SHALL BE NO LOWER THAN BACK OF SIDEWALK OR FUTURE BACK OF SIDEWALK.
- ALL TRAFFIC SIGNAL POLES, NEW, BORROWED OR EXISTING, SHALL BE BROUGHT TO "LIKE NEW" CONDITION, INCLUDING UNUSED HOLES WELDED, POLE PAINTED, WIRE UPGRADED TO IMSA CABLE.
- TRAFFIC CONTROL CHANGE AHEAD WARNING SIGNS SHALL BE INSTALLED WHEN TRAFFIC CONTROL TYPE OR OPERATIONS HAS CHANGED AT AN INTERSECTION. THE CONTRACTOR FOR A MINIMUM OF 60 DAYS FOLLOWING THE TRAFFIC CONTROL CHANGE SHALL INSTALL WARNINGS. WHEN WARNING STAGE IS COMPLETE, THE CONTRACTOR SHALL REMOVE TEMPORARY SIGNS AND DELIVER TO THE CITY PUBLIC WORKS DEPARTMENT AT 23454 W. MC HIGHWAY 85, BUCKEYE, AZ 85326.

LEGEND

EXIST	NEW	
---	---	UNDERGROUND CONDUIT
		NO. 7 PULL BOX WITH EXTENSION
		METER SERVICE PEDESTAL
		CONTROLLER CABINET AND FOUNDATION
		BATTERY BACKUP SYSTEM
		TRAFFIC SIGNAL FOUNDATION
		VIDEO DETECTION CAMERA (VDC)
		TRAFFIC SIGNAL INDICATION
		PEDESTRIAN INDICATION (M/H)
		PEDESTRIAN PUSH BUTTON (PPB)
		LUMINAIRE (LUM)
		EMERGENCY VEHICLE PRE-EMPTION (EVP)
		INTERNALLY ILLUMINATED STREET NAME SIGN (IISNS)
		TRAFFIC SIGNAL POLE TAG
		PULL BOX TAG
		CONDUIT RUN NUMBER TAG

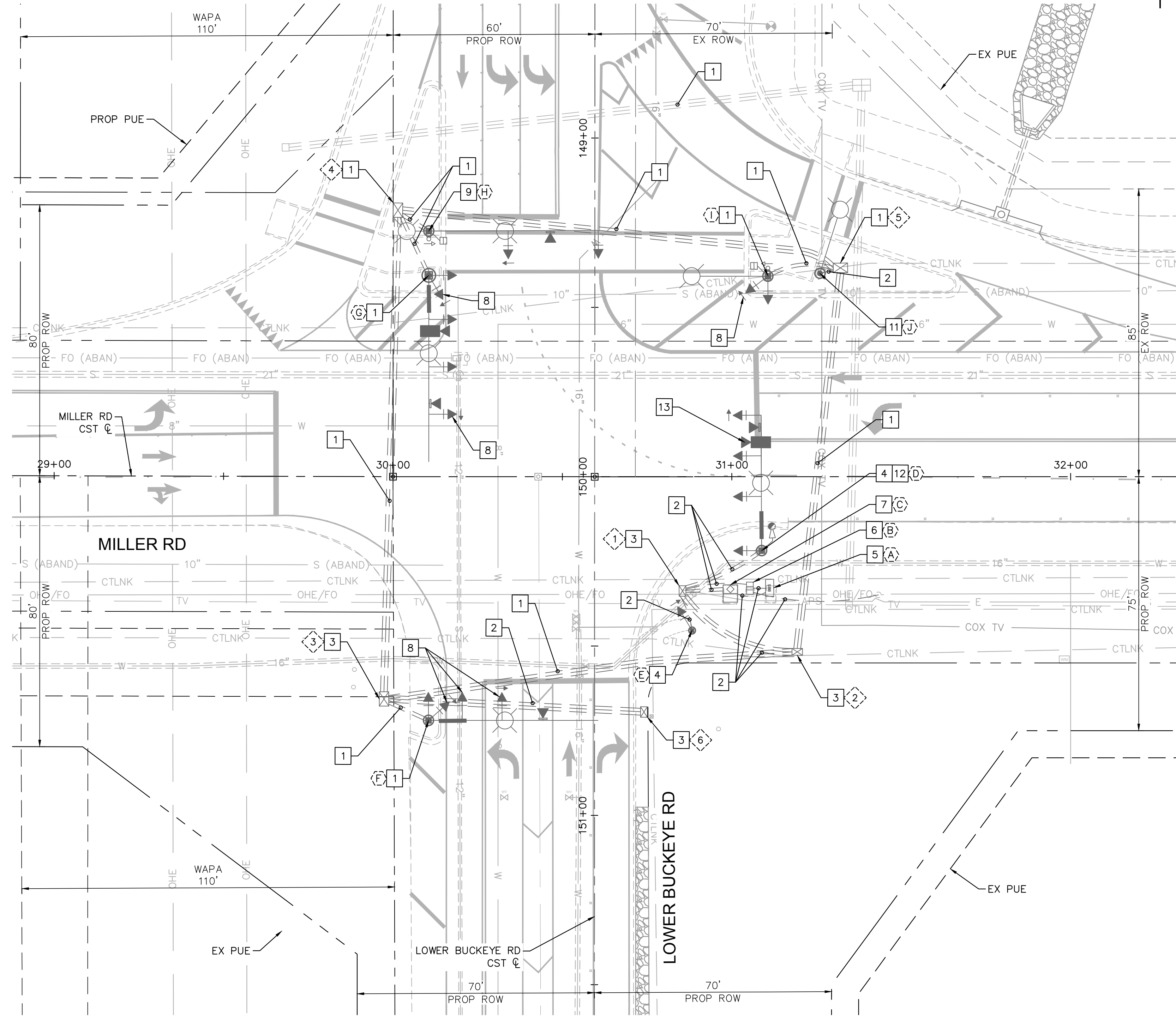
K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\2-Sheets\Traffic\TS00.dwg | 3/26/2024 | CHENG, EIMA



REVISIONS:		
PLAN NAME		MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS TRAFFIC SIGNAL GENERAL NOTES
ENGINEER INFORMATION		 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500 SUBMITTAL: FINAL
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	
AS-BUILT SEAL	DESIGN SEAL	
ORIGINAL PLAN DATE	LATEST REVISION DATE	
PROJECT NUMBER	SHEET NUMBER	COB PLAN TRACKING #
CIP #105260	82 OF 133	COB PERMIT #
		ENG\MJRCIP-21-003

PULL BOX SCHEDULE			
NO.	TYPE	LOCATION	REMARKS
1	NO. 7E	APPROX. AS SHOWN	EXISTING TO BE REMOVED
2	NO. 7E	APPROX. AS SHOWN	EXISTING TO BE REMOVED
3	NO. 7E	APPROX. AS SHOWN	EXISTING TO BE REMOVED
4	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
5	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
6	NO. 7E	APPROX. AS SHOWN	EXISTING TO BE REMOVED

EXISTING CABINET AND POLE SCHEDULE	
NO.	REMARKS
A	EXISTING ALPHA UPS BACKUP TO BE REMOVED.
B	EXISTING METER PEDESTAL TO BE REMOVED.
C	EXISTING ECONOLITE CABINET TO BE REMOVED.
D	EXISTING TYPE Q (ADOT) POLE TO BE REMOVED.
E	EXISTING TYPE A (ADOT) POLE TO BE REMOVED.
F	EXISTING TYPE R (ADOT) POLE. PROTECT IN PLACE.
G	EXISTING TYPE COB (TROMBONE) POLE. PROTECT IN PLACE.
H	EXISTING TYPE R (ADOT) POLE. PROTECT IN PLACE.
I	EXISTING TYPE R (ADOT) POLE. PROTECT IN PLACE.
J	EXISTING TYPE G (ADOT) POLE TO BE RELOCATED TO NEW FOUNDATION.

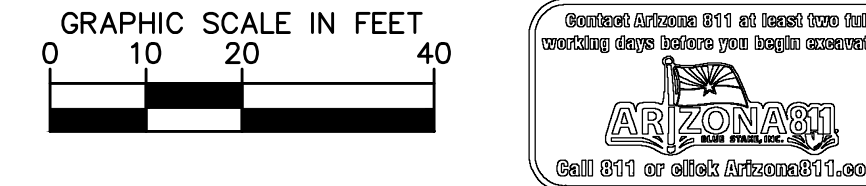


TRAFFIC SIGNAL REMOVAL CONSTRUCTION NOTES

- 1 PROTECT IN PLACE.
- 2 ABANDON EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS.
- 3 REMOVE EXISTING PULL BOX.
- 4 REMOVE AND SALVAGE EXISTING TRAFFIC SIGNAL POLE, MAST ARMS, AND EQUIPMENT TO THE CITY OF BUCKEYE. REMOVE EXISTING FOUNDATION.
- 5 REMOVE AND SALVAGE EXISTING BATTERY BACKUP SYSTEM TO THE CITY OF BUCKEYE. REMOVE EXISTING FOUNDATION.
- 6 REMOVE AND SALVAGE EXISTING METER PEDESTAL TO THE CITY OF BUCKEYE. REMOVE EXISTING FOUNDATION.
- 7 REMOVE AND SALVAGE EXISTING CABINET TO THE CITY OF BUCKEYE. REMOVE EXISTING FOUNDATION.
- 8 REMOVE AND SALVAGE EXISTING TRAFFIC SIGNAL EQUIPMENT TO THE CITY OF BUCKEYE.
- 9 REMOVE AND SALVAGE EXISTING TRAFFIC SIGNAL MAST ARM, EQUIPMENT ON TRAFFIC SIGNAL MAST ARM, AND LED LUMINAIRE ON 1' POLE ADAPTER TO THE CITY OF BUCKEYE.
- 11 RELOCATE EXISTING TRAFFIC SIGNAL POLE AND EQUIPMENT TO NEW FOUNDATION. REMOVE EXISTING FOUNDATION.
- 12 RELOCATE EXISTING CCTV CAMERA TO NEW POLE THIS CORNER.
- 13 RELOCATE EXISTING VIDEO DETECTION CAMERA TO NEW SIGNAL MAST ARM ON NORTH WEST CORNER POLE.

TRAFFIC SIGNAL REMOVAL NOTES

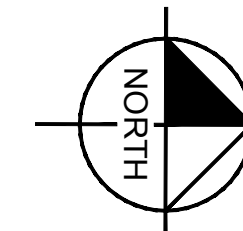
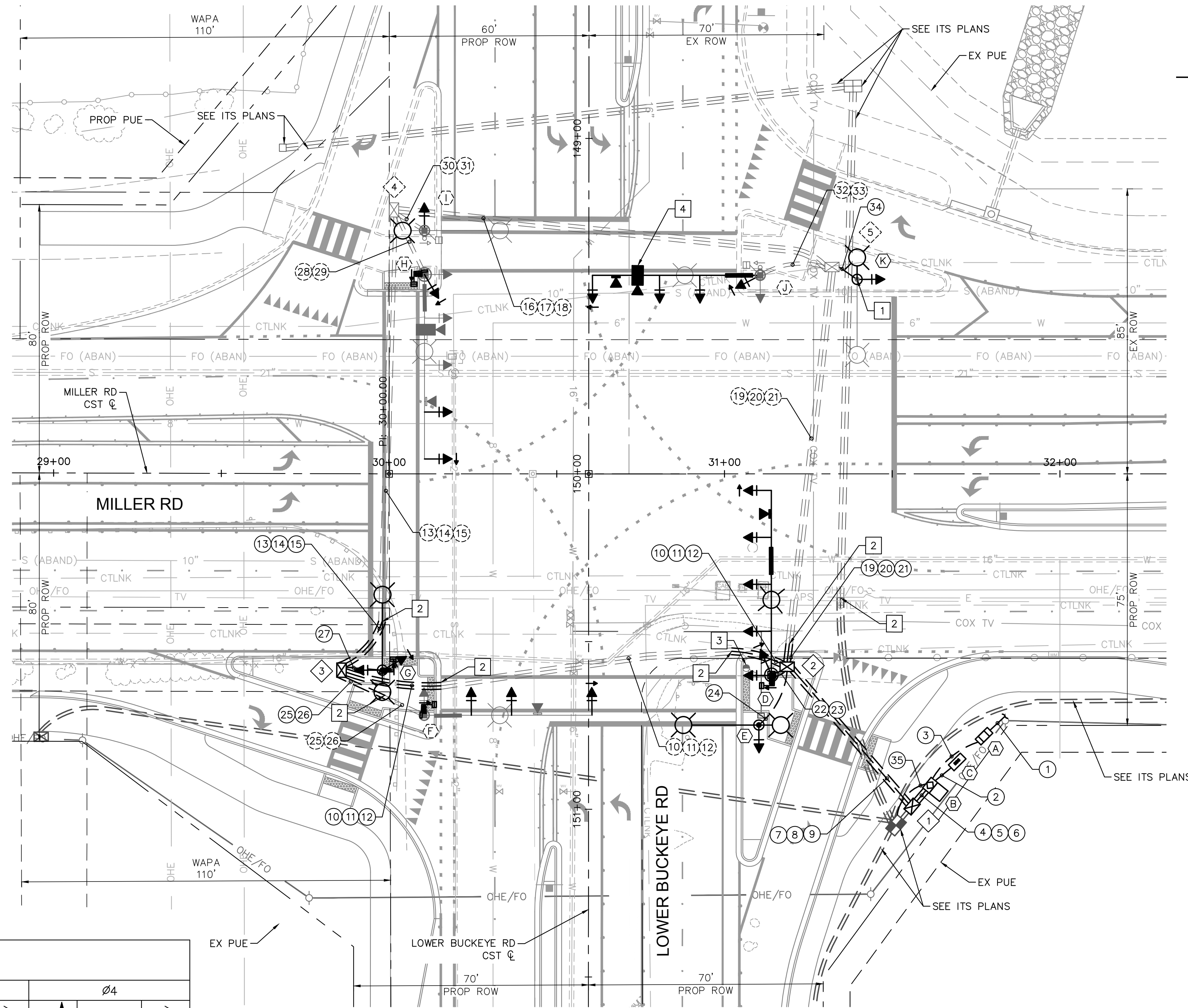
1. ALL EXISTING SIGNAL EQUIPMENT TO BE REMOVED SHALL REMAIN IN PLACE AND OPERATIONAL UNTIL THE INSTALLATION OF THE NEW TRAFFIC SIGNAL EQUIPMENT OR TEMPORARY EQUIPMENT IS COMPLETE AND IN PLACE.
2. THE EXISTING TRAFFIC SIGNAL SHALL REMAIN OPERATIONAL AT ALL TIMES DURING CONSTRUCTION PREDETERMINE CUT-OVER PERIODS.
3. THE CONTRACTOR SHALL RETURN ALL REMOVED/UNUSED TRAFFIC SIGNAL EQUIPMENT TO THE CITY OF BUCKEYE.
4. ALL EXISTING CONDUIT, PULL BOXES, FOUNDATIONS, VIDEO DETECTION CABLE AND CONDUCTORS TO BE REMOVED SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF ACCORDING TO THE CITY OF BUCKEYE REQUIREMENTS OFF THE PROJECT SITE.
5. EXISTING FOUNDATIONS FOR REMOVED TRAFFIC SIGNAL POLES SHALL BE REMOVED A MINIMUM OF 3 FEET. AREA SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED PER CITY OF BUCKEYE SPECIFICATIONS. THE CONTRACTOR SHALL BACKFILL AND COMPACT ALL VOIDS AS DIRECTED BY THE ENGINEER. FOUNDATIONS FOR TYPE "A" POLES SHALL BE REMOVED COMPLETELY.



REVISIONS:	
1	
2	
3	
PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS TRAFFIC SIGNAL REMOVAL PLAN	
ENGINEER INFORMATION Kimley-Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 83 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING #	
COB PERMIT #	
ENGINEER # 21-003	

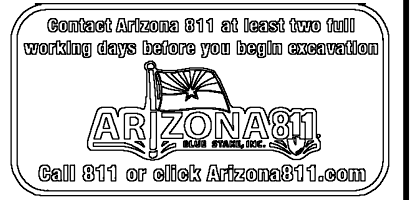
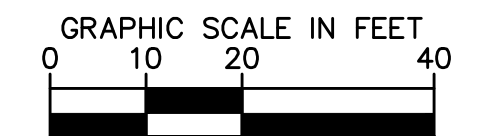
PULL BOX SCHEDULE			
NO.	TYPE	LOCATION*	REMARKS
1	NO. 7E	STA 31+56 99.2' RT	PER COB DETAIL 64291 AND 64292
2	NO. 7E	STA 31+19 57.5' RT	PER COB DETAIL 64291 AND 64292
3	NO. 7E	STA 29+86 OFF 58.6' RT	PER COB DETAIL 64291 AND 64292
4	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
5	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN

* ALL STATIONS AND OFFSETS ARE MEASURED FROM THE MILLER RD CENTERLINE.

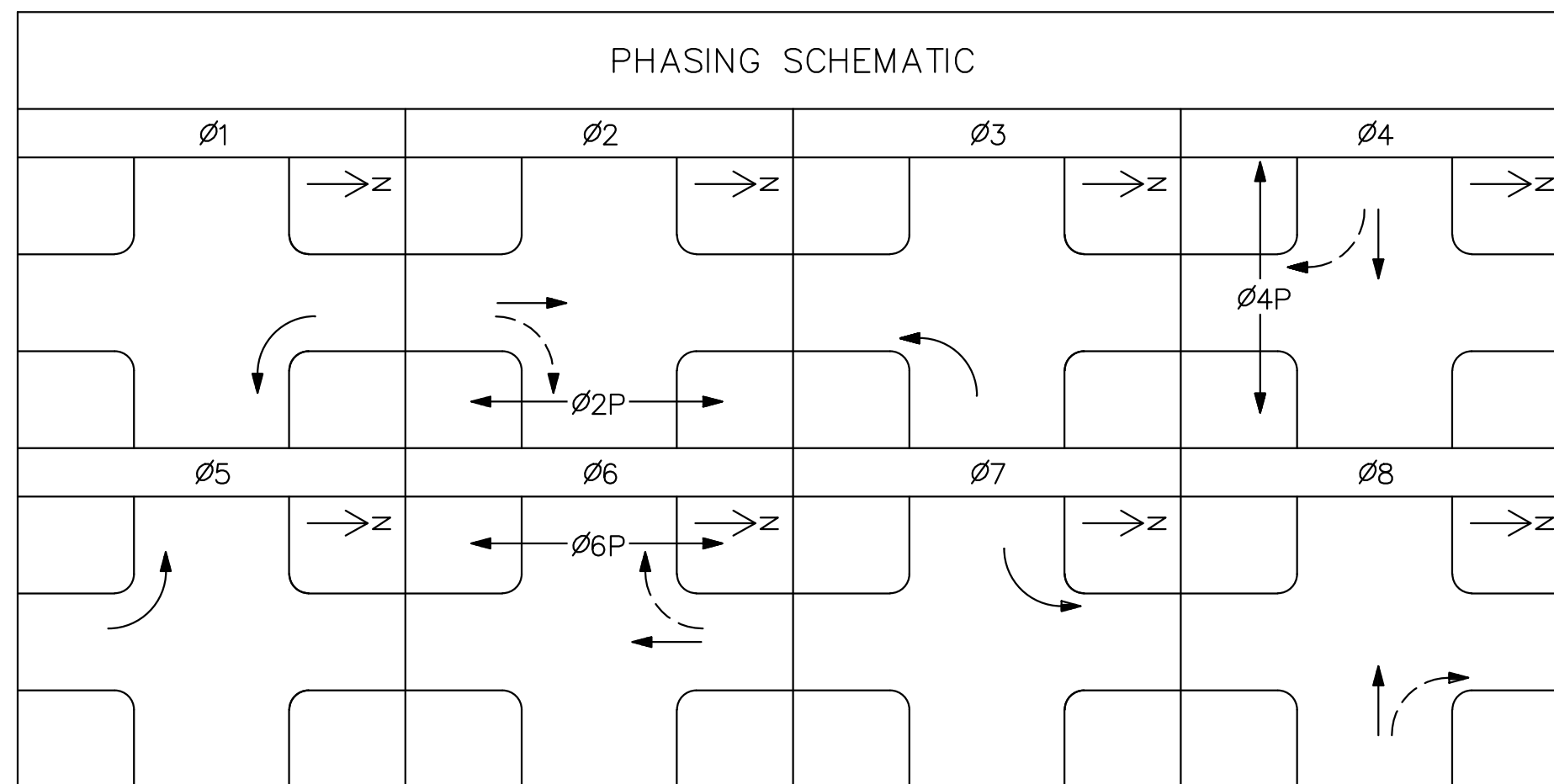


TRAFFIC SIGNAL CONSTRUCTION NOTES

- 1 INSTALL RELOCATED TRAFFIC SIGNAL POLE AND EQUIPMENT ON NEW FOUNDATION.
- 2 INTERCEPT EXISTING CONDUIT.
- 3 INSTALL RELOCATED CCTV CAMERA.
- 4 INSTALL RELOCATED VIDEO DETECTION CAMERA.



REVISIONS:	
1	
2	
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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS TRAFFIC SIGNAL PLAN	
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 84 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING #	
COB PERMIT #	
ENG/MJRC/P-21-003	

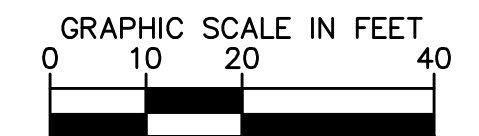


POLE SCHEDULE

CABINET	TYPE	CONTROLLER	AUX. CONTROL	ASSEMBLY NOTES	LOCATION*			
	METER PEDESTAL	-	N/A	1. ELECTRICAL SERVICE ADDRESS: 2875 S MILLER RD 2. MEYERS MEUG16-M100-ADOT 3. METER PEDESTAL FOUNDATION PER ADOT STANDARD DRAWING T.S. 2-6.	STA 31+77 78.2' RT			
	NEMA TS2, TYPE 1 TYPE IV WITH ELEVATOR BASE	ECONOLITE COBALT ATC	N/A	1. INSTALL VIDEO DETECTION, EVP, AND CCTV EQUIPMENT. 2. INSTALL ETHERNET SWITCH AND GATOR PATCH. 3. CABINET AND CONTROLLER PER COB APL. 4. CABINET FOUNDATION PER COB STANDARD DETAILS 64260-1 AND 64260-2.	STA 31+61 92.8' RT			
	BATTERY BACKUP	-	N/A	1. ALPHA BATTERY BACKUP 2. FOUNDATION PER ADOT STANDARD DRAWING T.S. 2-7 WITH MODIFIED ANCHOR BOLT LAYOUT DIMENSIONS PER BATTERY BACKUP CABINET BOLT PATTERN.	STA 31+69 85.9' RT			
		MAST ARM		SIGNALS		REMARKS	LOCATION*	
LAYOUT	TYPE	SIG.	LUM.	MTG.	FACE			SIGN
	B TROMBONE COB DET 64221	55'	20'	1-TROM 3-TROM 1-XI 1-XI 1-V	1-R 3-F 1-F 1-R 1-M/H	1-PPB (SEE NOTE 3) R10-3e(L)	1. INSTALL LED LUMINAIRE. SEE NOTE 6. 2. INSTALL EMERGENCY VEHICLE PRE-EMPTION. 3. INSTALL RELOCATED CCTV CAMERA. 4. INSTALL NEW IISNS.	STA 31+14 60.0' RT
	G ADOT DET T-SL 4.07	-	20' 1'	1-XI	1-F	-	1. INSTALL LED LUMINAIRE. SEE NOTE 6. 2. INSTALL LED LUMINAIRE ON NEW POLE ADAPTOR. SEE NOTE 5.	STA 31+10 74.9' RT
	R ADOT (EX)	50' (EX)	20' (EX)	1-II 2-II 1-XI (EX) 1-V	1-R 2-F 1-F (EX) 1-M/H	1-PPB (SEE NOTE 3) R10-3e(L)	1. EXISTING LED LUMINAIRE TO REMAIN. 2. EXISTING EMERGENCY VEHICLE PRE-EMPTION TO REMAIN. 3. EXISTING IISNS TO REMAIN. 4. SEE NOTE 7.	APPROX. AS SHOWN
	G ADOT DET T-SL 4.07	-	20' 1'	1-XI 1-XI 1-V	1-F 1-R 1-M/H	1-PPB (SEE NOTE 3) R10-3e(R)	1. INSTALL LED LUMINAIRE. SEE NOTE 6. 2. INSTALL LED LUMINAIRE ON NEW POLE ADAPTOR. SEE NOTE 5.	STA 29+98 58.5' RT
	B TROMBONE COB (EX)	55' (EX)	20' (EX)	1-TROM 1-TROM 2-TROM (EX) 1-XI (EX) 1-XI 1-V	1-R 1-F 2-F (EX) 1-F (EX) 1-R 1-M/H	1-PPB (SEE NOTE 3) R10-3e(R)	1. EXISTING LED LUMINAIRE TO REMAIN. SEE NOTE 6. 2. EXISTING EMERGENCY VEHICLE PRE-EMPTION TO REMAIN. 3. EXISTING IISNS TO REMAIN. 4. EXISTING VIDEO DETECTION TO REMAIN.	APPROX. AS SHOWN
	R ADOT (EX)	-	20' 1' (EX)	1-XI 1-V (EX)	1-F 1-M/H (EX)	1-PPB (EX) R10-3e(R) (EX)	1. REMOVE AND SALVAGE EXISTING TRAFFIC SIGNAL MAST ARM, EVP, AND SIGNAL HEADS TO THE CITY OF BUCKEYE. 2. EXISTING LED LUMINAIRE TO REMAIN. 3. REMOVE AND SALVAGE EXISTING LED LUMINAIRE ON EXISTING POLE ADAPTOR TO THE CITY OF BUCKEYE. 4. INSTALL LED LUMINAIRE ON EXISTING POLE ADAPTOR. SEE NOTE 5.	APPROX. AS SHOWN
	R ADOT (EX)	50'	20' (EX)	1-II 2-II 1-XI (EX) 1-XI 1-V (EX)	1-R 2-F 1-F (EX) 1-R 1-M/H (EX)	1-PPB (EX) R10-3e(R) (EX)	1. EXISTING LED LUMINAIRE TO REMAIN. 2. INSTALL EMERGENCY VEHICLE PRE-EMPTION. 3. INSTALL NEW IISNS. 4. INSTALL RELOCATED VIDEO DETECTION.	APPROX. AS SHOWN
	G ADOT (RELOCATED)	-	20' 1' (EX)	1-XI	1-F	-	1. INSTALL NEW TRAFFIC SIGNAL FOUNDATION PER ADOT DET T-SL 4.07. 2. INSTALL RELOCATED TRAFFIC SIGNAL POLE, LUMINAIRE MAST ARM, AND LED LUMINAIRE ON NEW FOUNDATION. 3. INSTALL LED LUMINAIRE ON NEW POLE ADAPTOR. SEE NOTE 5.	STA 31+40 58.0' LT

POLE SCHEDULE NOTES:

- THE CONTRACTOR SHALL CONTACT ISAAC AISPURO (CITY OF BUCKEYE TRAFFIC TECHNICIAN) AT (623) 698-2816 A MINIMUM OF 10 DAYS IN ADVANCE TO SCHEDULE THE WIRING AND INSTALLATION OF THE TRAFFIC SIGNAL MODIFICATIONS.
- THE STATIONS AND OFFSETS FOR TRAFFIC SIGNAL POLES WHICH ARE SHOWN ON THE PLANS AND IN THE POLE/EQUIPMENT SCHEDULE ARE APPROXIMATE. THE FINAL LOCATION OF EACH POLE SHALL BE STAKED IN THE FIELD BY THE CONTRACTOR, AND APPROVED BY THE ENGINEER, TO ENSURE THAT THE POLE FOUNDATION IS INTEGRATED INTO THE SIDEWALK RAMP DESIGN AND TO ENSURE THAT THE PEDESTRIAN PUSH BUTTON ASSEMBLIES ARE ACCESSIBLE TO WHEELCHAIR BOUND PEDESTRIANS. SEE ROADWAY PLANS FOR SIDEWALK RAMP INSTALLATION DETAILS.
- NEW PEDESTRIAN PUSH BUTTONS SHALL BE AUDIBLE CAMPBELL GUARDIAN 912 BLACK. PUSH BUTTONS SHALL BE MOUNTED AT A HEIGHT OF 42" TO COMPLY WITH ADA REQUIREMENTS.
- SEE SIGNING PLANS FOR SIGNS MOUNTED ON SIGNAL POLES AND MAST ARMS.
- 4,900 LUMEN LED LUMINAIRE, GE CAT# ERL1-0-05-B5-30-A-WHITE-GLR ON THE SIDE OF THE POLE 28' ABOVE FINISHED GRADE USING A UNIVERSAL POLE ADAPTER PER DETAIL ON SHEET 86.
- 17,200 LUMEN LED LUMINAIRE, GE CAT# ERL2-0-18-C5-30-A-WHITE-GLR.
- OUTBOARD SIGNAL HEAD TO BE INSTALLED ON FACTORY INSTALLED TENON. ALL OTHER SIGNAL HEADS ON MAST ARM SHALL BE MOUNTED WITH PELCO MOUNTING BRACKETS. COSTS FOR MOUNTING BRACKETS TO BE CONSIDERED INCLUDED WITH TRAFFIC SIGNAL FACE BID ITEM.
- EVP SHALL BE GTT OPTICOM 721 PRE-EMPTION SENSOR WITH ALL NECESSARY MOUNTING HARDWARE. INCLUDE GPS TRACKING PHASE SELECTOR CARD (GTT 764 PHASE SELECTOR CARD).
- ALL TRAFFIC SIGNAL POLES, MAST ARMS, AND CABINETS SHALL BE PAINTED BUCKEYE WHITE.



REVISIONS:	
1	
2	
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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS POLE SCHEDULE	
ENGINEER INFORMATION: Kimley-Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE: 3/28/2024	LATEST REVISION DATE:
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 85 OF 133
COB PLAN TRACKING #	COB PERMIT #
SUBMITTAL: FINAL	
ENG/MJRC/P-21-003	

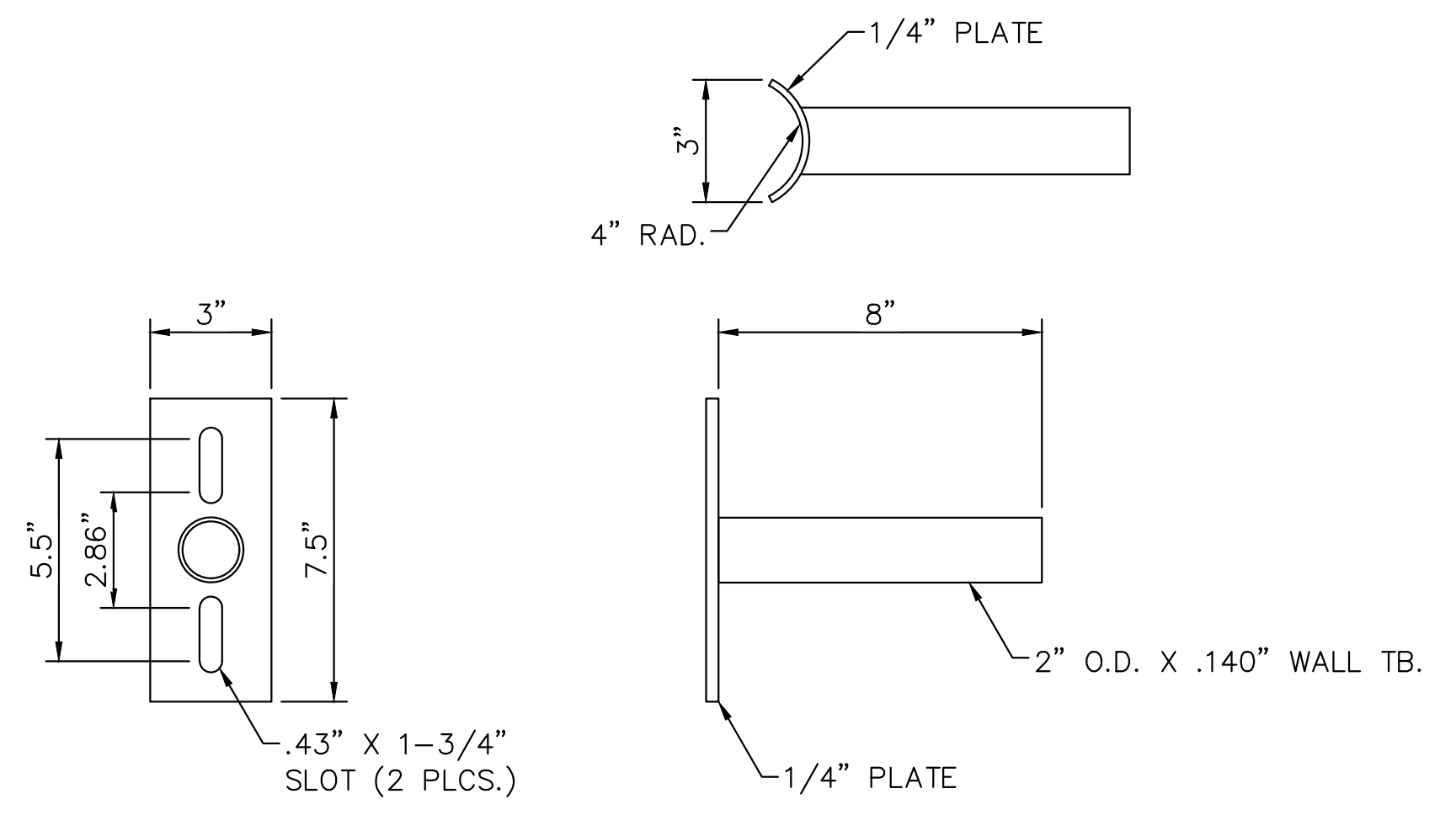
NOTES:
* ALL STATIONS AND OFFSETS ARE MEASURED FROM THE MILLER RD CENTERLINE.

ABBREVIATIONS
CCTV - CLOSED CIRCUIT TELEVISION CAMERA
EVP - EMERGENCY VEHICLE PRE-EMPTION
IISNS - INTERNALLY ILLUMINATED STREET NAME SIGN
VDC - VIDEO DETECTION CAMERA

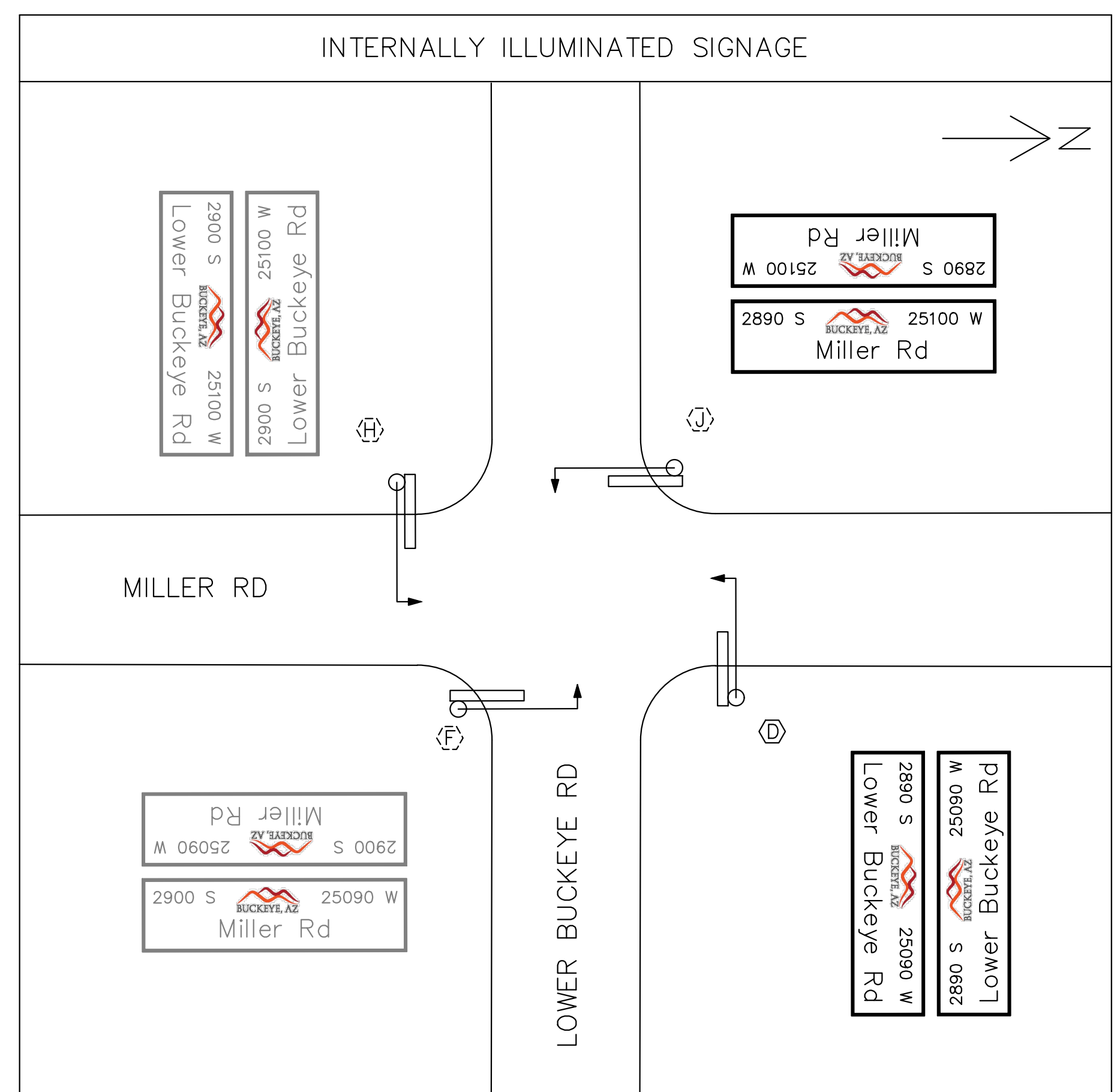
		CONDUCTOR SCHEDULE																																					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35			
	CONDUIT RUN NO.	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	CONDUIT SIZE IN INCHES	2 1/2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
SIGNAL HEADS	25 CONDUCTOR			8			8			2																													
PED HEADS	7 CONDUCTOR																																						
PED PB'S	4 CONDUCTOR																																						
IMSA 19-1 #14 AWG	2 CONDUCTOR			6			6			2							2			3			1			1	1	1	1	1	1	1	1	1	1	1	1	1	
BARE BOND	#8 GREEN THW, SOLID		1	1	1	1		1	1		1	1					1	1		1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
LUMINAIRES (120V)	#14 AWG IMSA 19-1, 4 CC			1	1			1			1						1		1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
IISNS	#14 AWG IMSA 19-1, 4 CC			1	1			1			1						1		1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
SERVICE	#6 AWG 140/240V, THWN		2	2																																			
EVP	PER MANUFACTURER					4			4		1						1		2		1		1		1		1		1		1		1		1		1		
SPARE CONDUIT	TRACER WIRE #8 BARE BOND							1		1		1	1	1	1		1		1		1																1		
VIDEO DETECTION (GRIDSMA)	POLE (H)					1			1								1		1																		1		
	POLE (J)					1			1								1		1																		1		
CCTV CAMERA	CCTV CAMERA CABLE					1			1								1						1															1	

E - EXISTING CONDUIT TO REMAIN
 * - INTERCEPT EXISTING CONDUIT AS SHOWN ON PLANS

- NOTE:
- ONLY NEW CONDUCTORS ARE SHOWN IN THE CONDUCTOR SCHEDULE. ALL EXISTING CONDUCTORS SHALL REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY CONDUCTORS THAT ARE DAMAGED OR NOT WORKING PROPERLY AT PROJECT COMPLETION.



UNIVERSAL POLE ADAPTOR DETAIL (N.T.S.)



- NOTES:
- INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE PER COB DETAILS 642110 AND 642111. THE CITY ENGINEER PRIOR TO MANUFACTURE AND INSTALLATION SHALL APPROVE IISNS LAYOUT, FORMAT, COLOR, SIZE, AND STREET NUMBERS.
 - SEE TRAFFIC SIGNAL GENERAL NOTE 7 FOR INTERNALLY ILLUMINATED STREET NAME SIGN MOUNTING REQUIREMENTS.

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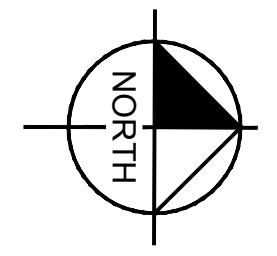
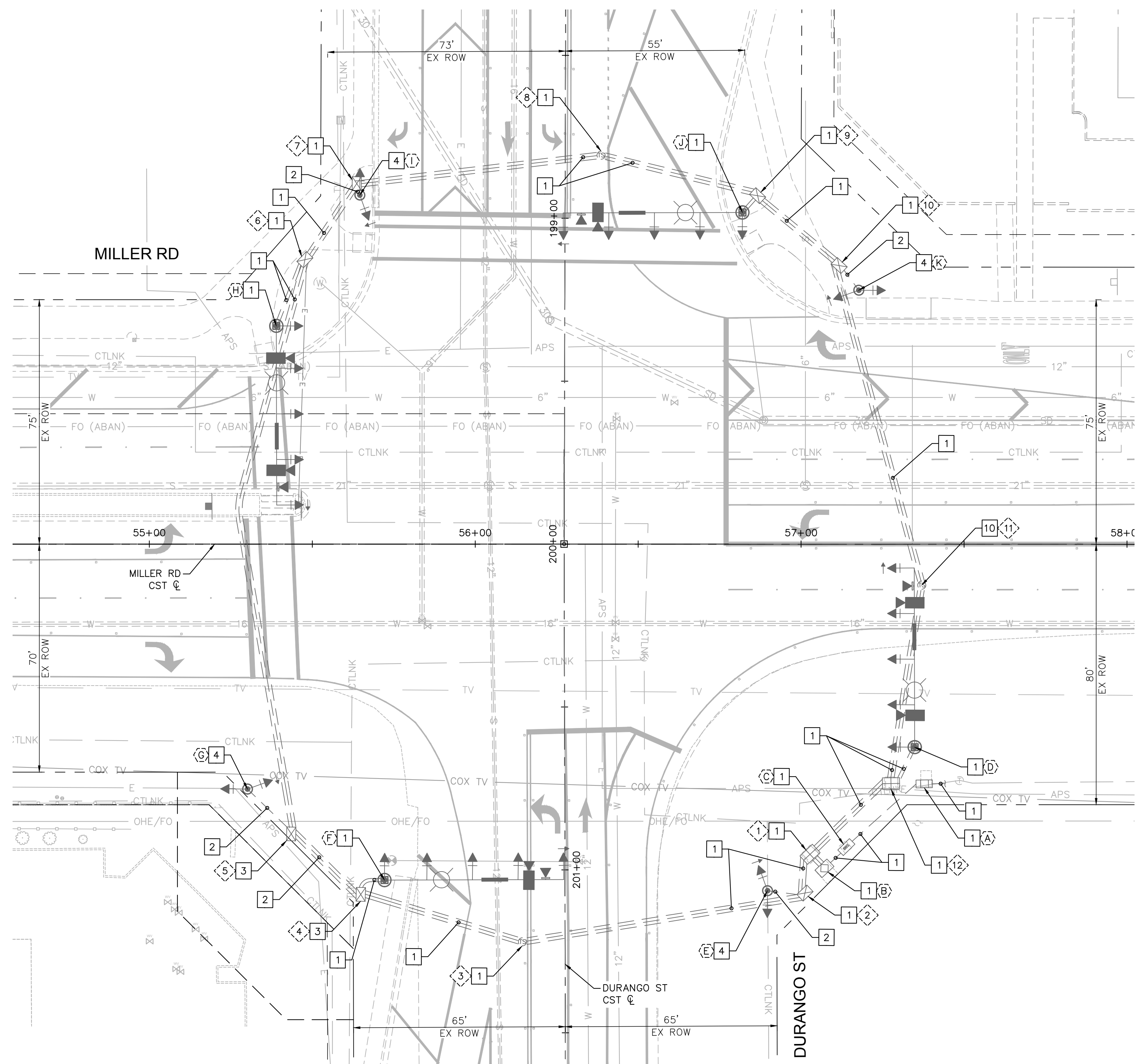


REVISIONS:		SUBMITTAL: FINAL
1		
2		
PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS CONDUCTOR SCHEDULE		
ENGINEER INFORMATION: Kimley & Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500		
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	DESIGN SEAL: ZACHARY HANDY, 70672, ARIZONA, U.S.A., Expires 03/31/26
AS-BUILT SEAL		
ORIGINAL PLAN DATE: 3/28/2024	LATEST REVISION DATE:	COB PLAN TRACKING #
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 86 OF 133	COB PERMIT #
		ENG/MJ/RC/P-21-003

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PULL BOX SCHEDULE			
NO.	TYPE	LOCATION	REMARKS
1	NO. 9	APPROX. AS SHOWN	EXISTING TO REMAIN
2	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
3	MANHOLE	APPROX. AS SHOWN	EXISTING TO REMAIN
4	NO. 7E	APPROX. AS SHOWN	EXISTING TO BE REMOVED
5	NO. 7E	APPROX. AS SHOWN	EXISTING TO BE REMOVED
6	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
7	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
8	MANHOLE	APPROX. AS SHOWN	EXISTING TO REMAIN
9	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
10	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
11	MANHOLE	APPROX. AS SHOWN	EXISTING REMOVE COVER
12	NO. 9	APPROX. AS SHOWN	EXISTING TO REMAIN

EXISTING CABINET AND POLE SCHEDULE	
NO.	REMARKS
A	EXISTING METER PEDESTAL. PROTECT IN PLACE.
B	EXISTING ECONOLITE CABINET. PROTECT IN PLACE.
C	EXISTING ALPHA UPS BACKUP. PROTECT IN PLACE.
D	EXISTING TYPE COB (TROMBONE) POLE. PROTECT IN PLACE.
E	EXISTING TYPE A (ADOT) POLE TO BE REMOVED.
F	EXISTING TYPE COB (TROMBONE) POLE. PROTECT IN PLACE.
G	EXISTING TYPE A (ADOT) POLE TO BE REMOVED.
H	EXISTING TYPE COB (TROMBONE) POLE. PROTECT IN PLACE.
I	EXISTING TYPE A (ADOT) POLE TO BE REMOVED.
J	EXISTING TYPE COB (TROMBONE) POLE. PROTECT IN PLACE.
K	EXISTING TYPE A (ADOT) POLE TO BE REMOVED.

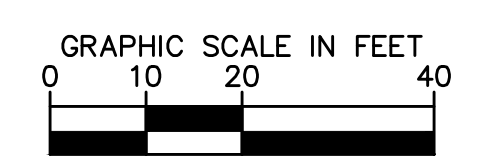


TRAFFIC SIGNAL REMOVAL CONSTRUCTION NOTES

- 1 PROTECT IN PLACE.
- 2 ABANDON EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS.
- 3 REMOVE EXISTING PULL BOX.
- 4 REMOVE AND SALVAGE EXISTING TRAFFIC SIGNAL POLE, MAST ARMS, AND EQUIPMENT TO THE CITY OF BUCKEYE. REMOVE EXISTING FOUNDATION.
- 10 REMOVE EXISTING MANHOLE COVER.

TRAFFIC SIGNAL REMOVAL NOTES

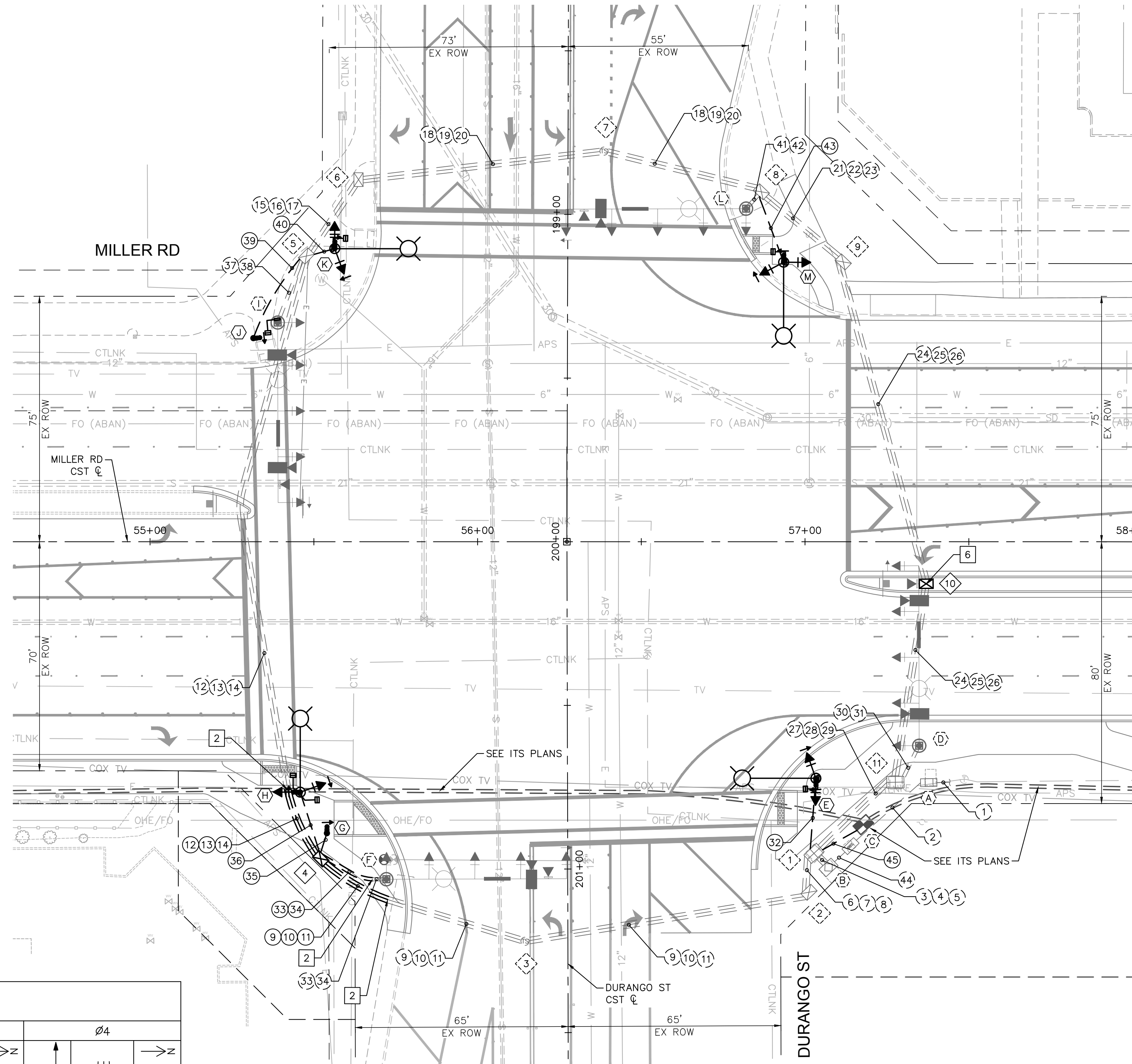
- 1. ALL EXISTING SIGNAL EQUIPMENT TO BE REMOVED SHALL REMAIN IN PLACE AND OPERATIONAL UNTIL THE INSTALLATION OF THE NEW TRAFFIC SIGNAL EQUIPMENT OR TEMPORARY EQUIPMENT IS COMPLETE AND IN PLACE.
- 2. THE EXISTING TRAFFIC SIGNAL SHALL REMAIN OPERATIONAL AT ALL TIMES DURING CONSTRUCTION PREDETERMINE CUT-OVER PERIODS.
- 3. THE CONTRACTOR SHALL RETURN ALL REMOVED/UNUSED TRAFFIC SIGNAL EQUIPMENT TO THE CITY OF BUCKEYE.
- 4. ALL EXISTING CONDUIT, PULL BOXES, FOUNDATIONS, VIDEO DETECTION CABLE AND CONDUCTORS TO BE REMOVED SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF ACCORDING TO THE CITY OF BUCKEYE REQUIREMENTS OFF THE PROJECT SITE.
- 5. EXISTING FOUNDATIONS FOR REMOVED TRAFFIC SIGNAL POLES SHALL BE REMOVED A MINIMUM OF 3' FEET. AREA SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED PER CITY OF BUCKEYE SPECIFICATIONS. THE CONTRACTOR SHALL BACKFILL AND COMPACT ALL VOIDS AS DIRECTED BY THE ENGINEER. FOUNDATIONS FOR TYPE "A" POLES SHALL BE REMOVED COMPLETELY.



REVISIONS:	
1	
2	
3	
PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS TRAFFIC SIGNAL REMOVAL PLAN	
ENGINEER INFORMATION: Kimley-Horn	
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE: 3/28/2024	LATEST REVISION DATE:
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 87 OF 133
COB PLAN TRACKING #	COB PERMIT #
SUBMITTAL: FINAL	
ENGINEER: ENG/MJRC/P-21-003	

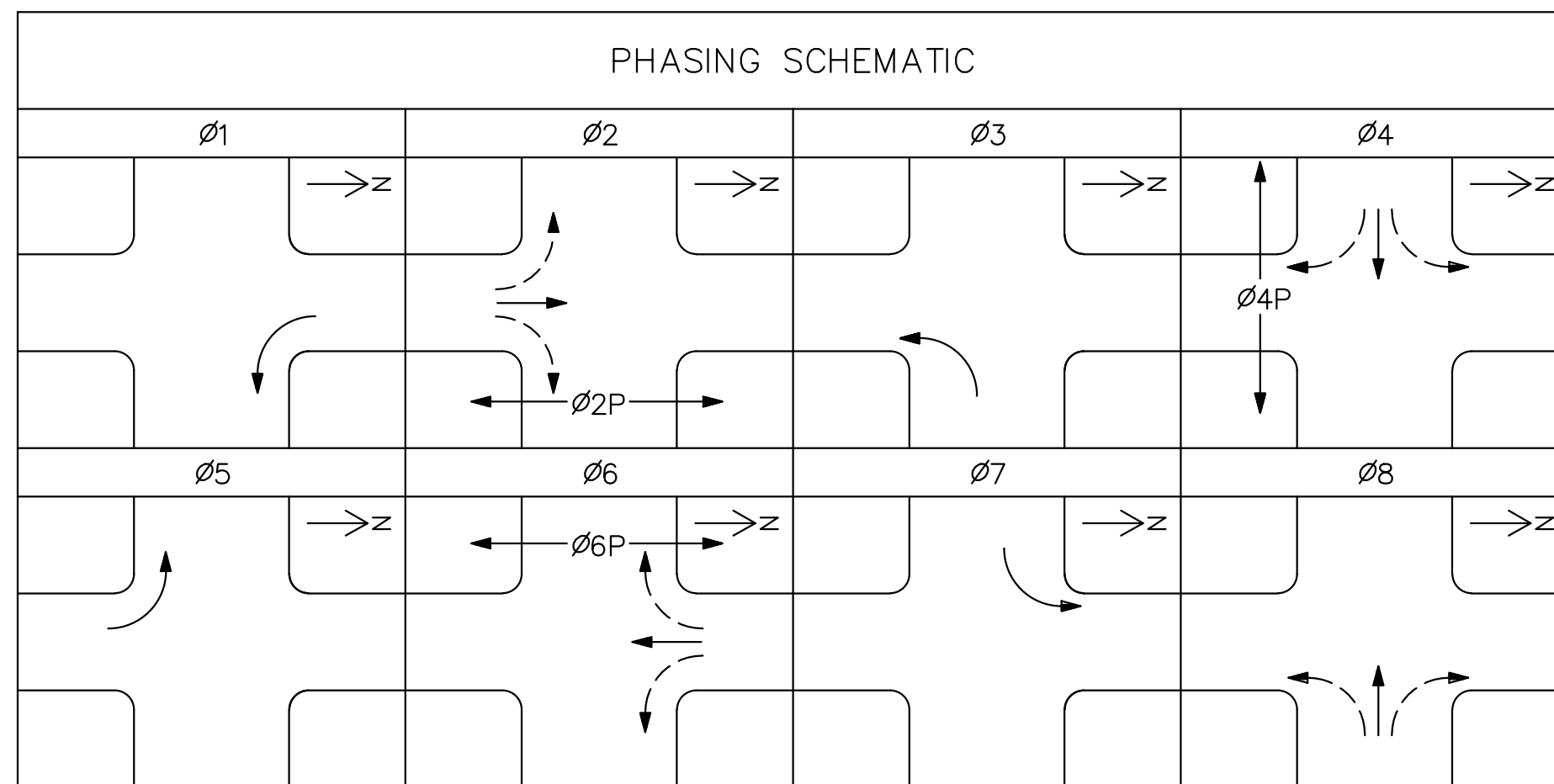
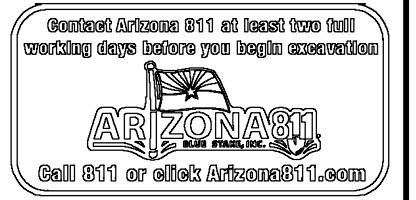
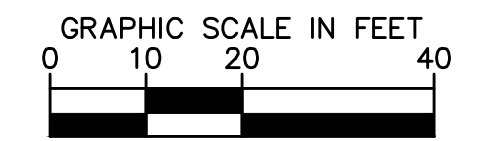
PULL BOX SCHEDULE			
NO.	TYPE	LOCATION*	REMARKS
1	NO. 9	APPROX. AS SHOWN	EXISTING TO REMAIN
2	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
3	MANHOLE	APPROX. AS SHOWN	EXISTING TO REMAIN
4	NO. 7E	STA 55+52 96.9' RT	PER COB DETAIL 64291 AND 64292
5	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
6	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
7	MANHOLE	APPROX. AS SHOWN	EXISTING TO REMAIN
8	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
9	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
10	NO. 7E	STA 57+37 12.8' RT	PER COB DETAIL 64291 AND 64292
11	NO. 9	APPROX. AS SHOWN	EXISTING TO REMAIN

* ALL STATIONS AND OFFSETS ARE MEASURED FROM THE MILLER RD CENTERLINE.



TRAFFIC SIGNAL CONSTRUCTION NOTES

- 2 INTERCEPT EXISTING CONDUIT.
- 5 INTERCEPT EXISTING CONDUIT AND ROUTE INTO NEW PULLBOX.
- 6 REPLACE EXISTING MANHOLE WITH NEW PULLBOX. ROUTE EXISTING CONDUIT INTO NEW PULLBOX. ADJUST PULLBOX TO FINISHED GRADE.



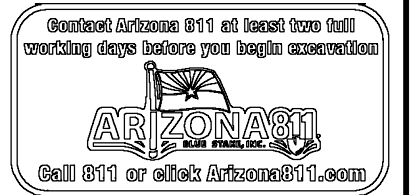
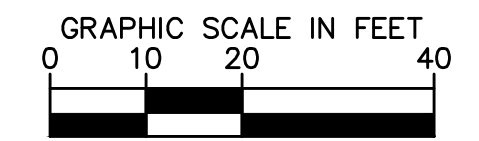
REVISIONS:		SUBMITTAL: FINAL
1		
2		
PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS TRAFFIC SIGNAL PLAN		
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500		
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	DESIGN SEAL
AS-BUILT SEAL		
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	COB PLAN TRACKING #
PROJECT NUMBER CIP #105260	SHEET NUMBER 88 OF 133	COB PERMIT # ENGMJRCIP-21-003

POLE SCHEDULE

CABINET	TYPE	CONTROLLER	AUX. CONTROL	ASSEMBLY NOTES	LOCATION*				
	METER PEDESTAL (EX)	-	N/A	1. PROTECT IN PLACE.	APPROX. AS SHOWN				
	CONTROLLER CABINET (EX)	-	N/A	1. PROTECT IN PLACE.	APPROX. AS SHOWN				
	BATTERY BACKUP (EX)	-	N/A	1. PROTECT IN PLACE.	APPROX. AS SHOWN				
LAYOUT		TYPE	SIG.	LUM.	MTG.	FACE	SIGN	REMARKS	LOCATION*
	B TROMBONE COB (EX)	55' (EX)	20' (EX)	1-TROM (EX) 3-TROM (EX) 1-V (EX)	1-Q (EX) 3-F (EX) 1-F (EX)	-	-	1. EXISTING LED LUMINAIRE TO REMAIN. 2. EXISTING EMERGENCY VEHICLE PRE-EMPTION TO REMAIN. 3. EXISTING VIDEO DETECTION TO REMAIN. 4. EXISTING IISNS TO REMAIN.	APPROX. AS SHOWN
	G ADOT DET T-SL 4.07	-	20'	1-XI 1-XI 1-V	1-F 1-Q 1-M/H	1-PPB (SEE NOTE 3) R10-3e(L)	-	1. INSTALL LED LUMINAIRE. SEE NOTE 5.	STA 57+03 72.3' RT
	B TROMBONE COB (EX)	55' (EX)	20' (EX)	1-TROM (EX) 3-TROM (EX) 1-V (EX)	1-Q (EX) 3-F (EX) 1-F (EX)	-	-	1. EXISTING LED LUMINAIRE TO REMAIN. 2. EXISTING EMERGENCY VEHICLE PRE-EMPTION TO REMAIN. 3. EXISTING VIDEO DETECTION TO REMAIN. 4. EXISTING IISNS TO REMAIN.	APPROX. AS SHOWN
	COB PED POST COB DET 64225	-	-	-	-	1-PPB (SEE NOTE 3) R10-3e(L)	-	-	STA 55+54 89.1' RT
	G ADOT DET T-SL 4.07	-	20'	1-XI 1-XI 1-VII	1-F 1-Q 2-M/H	1-PPB (SEE NOTE 3) R10-3e(L)	-	1. INSTALL LED LUMINAIRE. SEE NOTE 5.	STA 55+46 76.5' RT
	B TROMBONE COB (EX)	55' (EX)	20' (EX)	1-TROM (EX) 1-TROM (EX) 1-V (EX)	1-Q (EX) 3-F (EX) 1-F (EX)	-	-	1. EXISTING LED LUMINAIRE TO REMAIN. 2. EXISTING EMERGENCY VEHICLE PRE-EMPTION TO REMAIN. 3. EXISTING VIDEO DETECTION TO REMAIN. 4. EXISTING IISNS TO REMAIN.	APPROX. AS SHOWN
	COB PED POST COB DET 64225	-	-	-	-	1-PPB (SEE NOTE 3) R10-3e(L)	-	-	STA 55+32 62.2' LT
	G ADOT DET T-SL 4.07	-	20'	1-XI 1-XI 1-V	1-F 1-Q 1-M/H	1-PPB (SEE NOTE 3) R10-3e(L)	-	1. INSTALL LED LUMINAIRE. SEE NOTE 5.	STA 55+56 89.5' LT
	B TROMBONE COB (EX)	55' (EX)	20' (EX)	1-TROM (EX) 3-TROM (EX) 1-V (EX)	1-Q (EX) 3-F (EX) 1-F (EX)	-	-	1. EXISTING LED LUMINAIRE TO REMAIN. 2. EXISTING EMERGENCY VEHICLE PRE-EMPTION TO REMAIN. 3. EXISTING VIDEO DETECTION TO REMAIN. 4. EXISTING IISNS TO REMAIN.	APPROX. AS SHOWN
	G ADOT DET T-SL 4.07	-	20'	1-XI 1-XI 1-V	1-F 1-Q 1-M/H	1-PPB (SEE NOTE 3) R10-3e(R)	-	1. INSTALL LED LUMINAIRE. SEE NOTE 5.	STA 56+93 85.4' LT

POLE SCHEDULE NOTES:

1. THE CONTRACTOR SHALL CONTACT ISAAC AISPURO (CITY OF BUCKEYE TRAFFIC TECHNICIAN) AT (623) 698-2816 A MINIMUM OF 10 DAYS IN ADVANCE TO SCHEDULE THE WIRING AND INSTALLATION OF THE TRAFFIC SIGNAL MODIFICATIONS.
2. THE STATIONS AND OFFSETS FOR TRAFFIC SIGNAL POLES WHICH ARE SHOWN ON THE PLANS AND IN THE POLE/EQUIPMENT SCHEDULE ARE APPROXIMATE. THE FINAL LOCATION OF EACH POLE SHALL BE STAKED IN THE FIELD BY THE CONTRACTOR, AND APPROVED BY THE ENGINEER, TO ENSURE THAT THE POLE FOUNDATION IS INTEGRATED INTO THE SIDEWALK RAMP DESIGN AND TO ENSURE THAT THE PEDESTRIAN PUSH BUTTON ASSEMBLIES ARE ACCESSIBLE TO WHEELCHAIR BOUND PEDESTRIANS. SEE ROADWAY PLANS FOR SIDEWALK RAMP INSTALLATION DETAILS.
3. NEW PEDESTRIAN PUSH BUTTONS SHALL BE AUDIBLE CAMPBELL GUARDIAN 912 BLACK. PUSH BUTTONS SHALL BE MOUNTED AT A HEIGHT OF 42" TO COMPLY WITH ADA REQUIREMENTS.
4. SEE SIGNING PLANS FOR SIGNS MOUNTED ON SIGNAL POLES AND MAST ARMS.
5. 17,200 LUMEN LED LUMINAIRE, GE CAT# ERL2-0-18-C5-30-A-WHITE-GLR.
6. ALL TRAFFIC SIGNAL POLES, MAST ARMS, AND CABINETS SHALL BE PAINTED BUCKEYE WHITE.



REVISIONS:	
1	
2	
3	
PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS POLE SCHEDULE	
ENGINEER INFORMATION: Kimley-Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE: 3/28/2024	LATEST REVISION DATE:
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 89 OF 133
COB PLAN TRACKING #	COB PERMIT #
	ENG/MJ/RCP-21-003

NOTES:
* ALL STATIONS AND OFFSETS ARE MEASURED FROM THE MILLER RD CENTERLINE.

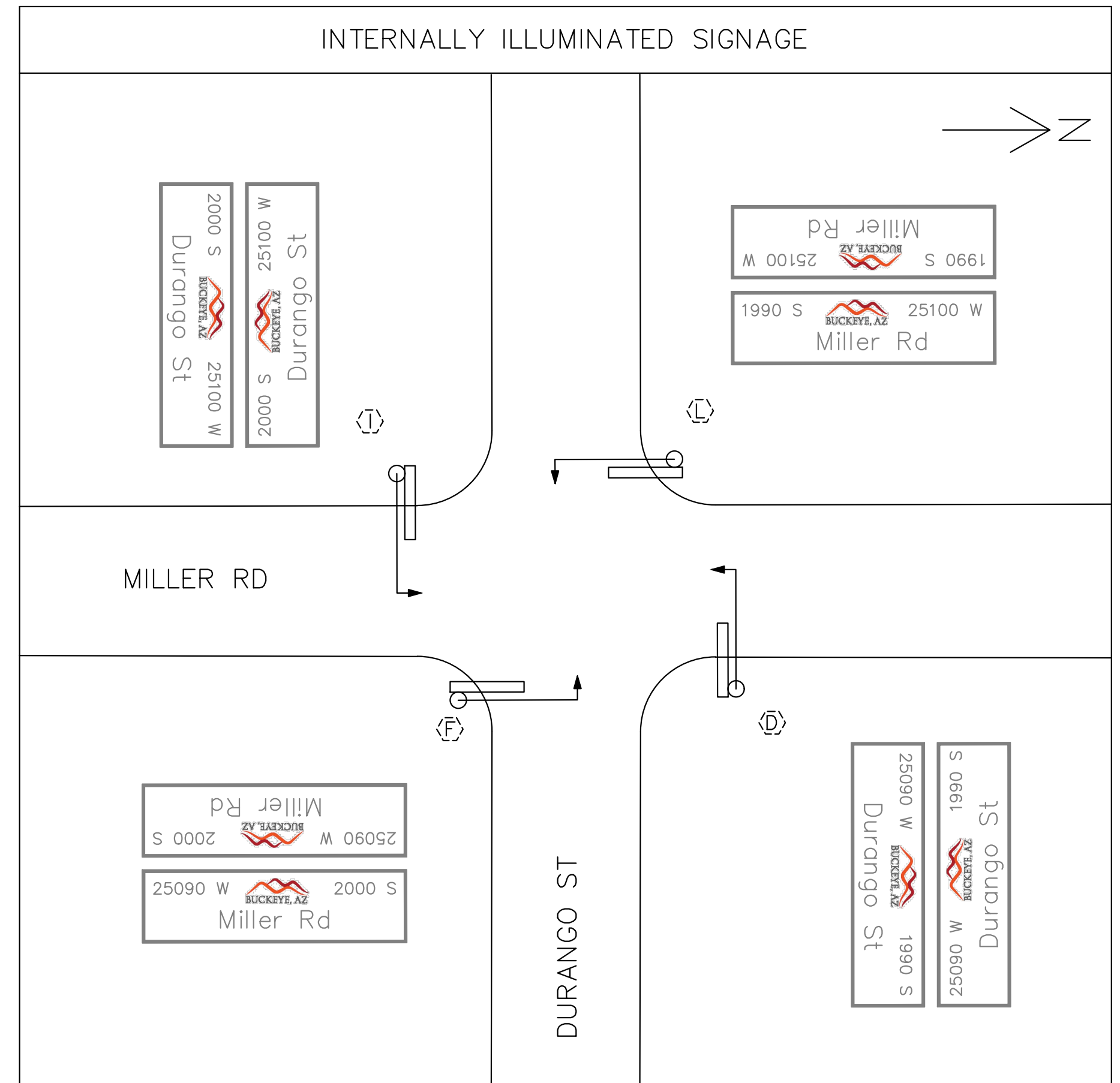
ABBREVIATIONS

CCTV - CLOSED CIRCUIT TELEVISION CAMERA
EVP - EMERGENCY VEHICLE PRE-EMPTION
IISNS - INTERNALLY ILLUMINATED STREET NAME SIGN
VDC - VIDEO DETECTION CAMERA

		CONDUCTOR SCHEDULE																																																			
CONDUIT RUN NO.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45							
CONDUIT SIZE IN INCHES		E	E	E	E	E	E	E	E	3*	3*	3*	3*	3*	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	2	2*	2*	2	2	E	E	2	2	E	E	2	E	2						
SIGNAL HEADS PED HEADS PED PB'S IMSA 19-1 #14 AWG	25 CONDUCTOR		6			4		4		4		2											1		1		1						1	1		1	1		1		1		1										
	7 CONDUCTOR																																																				
	4 CONDUCTOR																																																				
	2 CONDUCTOR			6		4		4		2													1		1		1							1		1	1		1	1		1		1		1							
BARE BOND	#8 GREEN THW, SOLID								1	1	1	1																								1	1	1	1	1		1	1		1								
	#14 AWG IMSA 19-1, 4 CC																																																				
LUMINAIRES (120V)	#14 AWG IMSA 19-1, 4 CC			1					1		1												1		1		1																										
	#14 AWG IMSA 19-1, 4 CC									1		1																																									
SERVICE	#6 AWG 140/240V, THWN																																																				
	PER MANUFACTURER				2		2		2		1																																										
EVP	TRACER WIRE #8 BARE BOND										1		1																																								
	PER MANUFACTURER																																																				
VIDEO DETECTION (SEE NOTE 2)	POLE (D)																																																				
	POLE (F)				1		1		1																																												
	POLE (I)				1		1		1		1																																										
	POLE (L)																																																				

E - EXISTING CONDUIT TO REMAIN
 * - INTERCEPT EXISTING CONDUIT AS SHOWN ON PLANS

- NOTES:
- ONLY NEW CONDUCTORS ARE SHOWN IN THE CONDUCTOR SCHEDULE. ALL EXISTING CONDUCTORS SHALL REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY CONDUCTORS THAT ARE DAMAGED OR NOT WORKING PROPERLY AT PROJECT COMPLETION.
 - CABLING PER MANUFACTURER'S REQUIREMENTS.



- NOTES:
- INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE PER COB DETAILS 642110 AND 642111. THE CITY ENGINEER PRIOR TO MANUFACTURE AND INSTALLATION SHALL APPROVE IISNS LAYOUT, FORMAT, COLOR, SIZE, AND STREET NUMBERS.
 - SEE TRAFFIC SIGNAL GENERAL NOTE 7 FOR INTERNALLY ILLUMINATED STREET NAME SIGN MOUNTING REQUIREMENTS.

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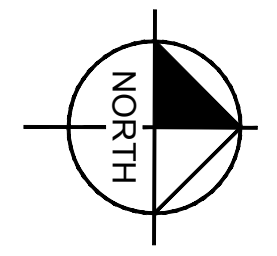
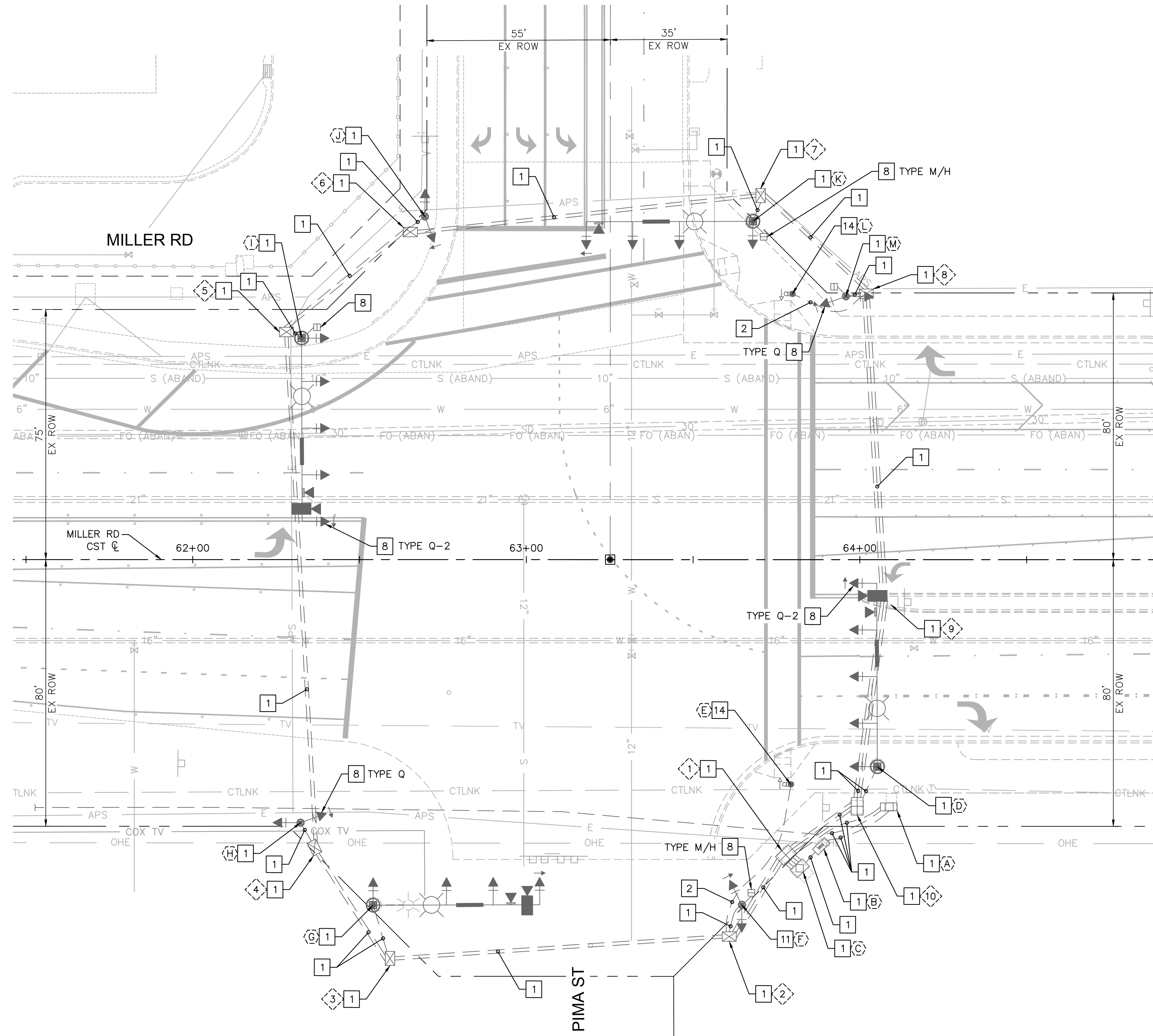


REVISIONS:		SUBMITTAL: FINAL
1		
2		
PLAN NAME		SUBMITTAL: FINAL
MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS CONDUCTOR SCHEDULE		
ENGINEER INFORMATION		
Kimley»Horn		
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500		
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	SUBMITTAL: FINAL
AS-BUILT SEAL	DESIGN SEAL	
		SUBMITTAL: FINAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	
PROJECT NUMBER CIP #105260	SHEET NUMBER 90 OF 133	COB PLAN TRACKING # N/A
		COB PERMIT # ENGMJRCIP-21-003

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PULL BOX SCHEDULE			
NO.	TYPE	LOCATION	REMARKS
1	NO. 9	APPROX. AS SHOWN	EXISTING TO REMAIN
2	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
3	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
4	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
5	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
6	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
7	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
8	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
9	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
10	NO. 9	APPROX. AS SHOWN	EXISTING TO REMAIN

EXISTING CABINET AND POLE SCHEDULE	
NO.	REMARKS
A	EXISTING METER PEDESTAL. PROTECT IN PLACE.
B	EXISTING ALPHA UPS BACKUP. PROTECT IN PLACE.
C	EXISTING ECONOLITE CABINET. PROTECT IN PLACE.
D	EXISTING TYPE COB (TROMBONE) POLE. PROTECT IN PLACE.
E	EXISTING TYPE COB PED POST TO BE REMOVED.
F	EXISTING TYPE A (ADOT) POLE TO BE RELOCATED TO NEW FOUNDATION.
G	EXISTING TYPE COB (TROMBONE) POLE. PROTECT IN PLACE.
H	EXISTING TYPE A POLE. PROTECT IN PLACE.
I	EXISTING TYPE COB (TROMBONE) POLE. PROTECT IN PLACE.
J	EXISTING TYPE A POLE. PROTECT IN PLACE.
K	EXISTING TYPE COB (TROMBONE) POLE. PROTECT IN PLACE.
L	EXISTING TYPE COB PED POST TO BE REMOVED.
M	EXISTING TYPE A POLE. PROTECT IN PLACE.

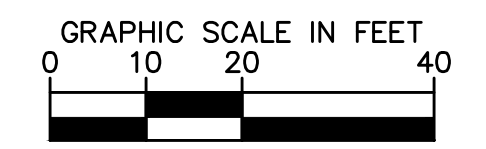


TRAFFIC SIGNAL REMOVAL CONSTRUCTION NOTES

- 1 PROTECT IN PLACE.
- 2 ABANDON EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS.
- 3 REMOVE EXISTING PULL BOX.
- 8 REMOVE AND SALVAGE EXISTING TRAFFIC SIGNAL EQUIPMENT TO THE CITY OF BUCKEYE.
- 11 RELOCATE EXISTING TRAFFIC SIGNAL POLE AND EQUIPMENT TO NEW FOUNDATION. REMOVE EXISTING FOUNDATION.
- 14 REMOVE AND SALVAGE EXISTING TRAFFIC SIGNAL POLE AND EQUIPMENT TO THE CITY OF BUCKEYE. REMOVE EXISTING FOUNDATION.

TRAFFIC SIGNAL REMOVAL NOTES

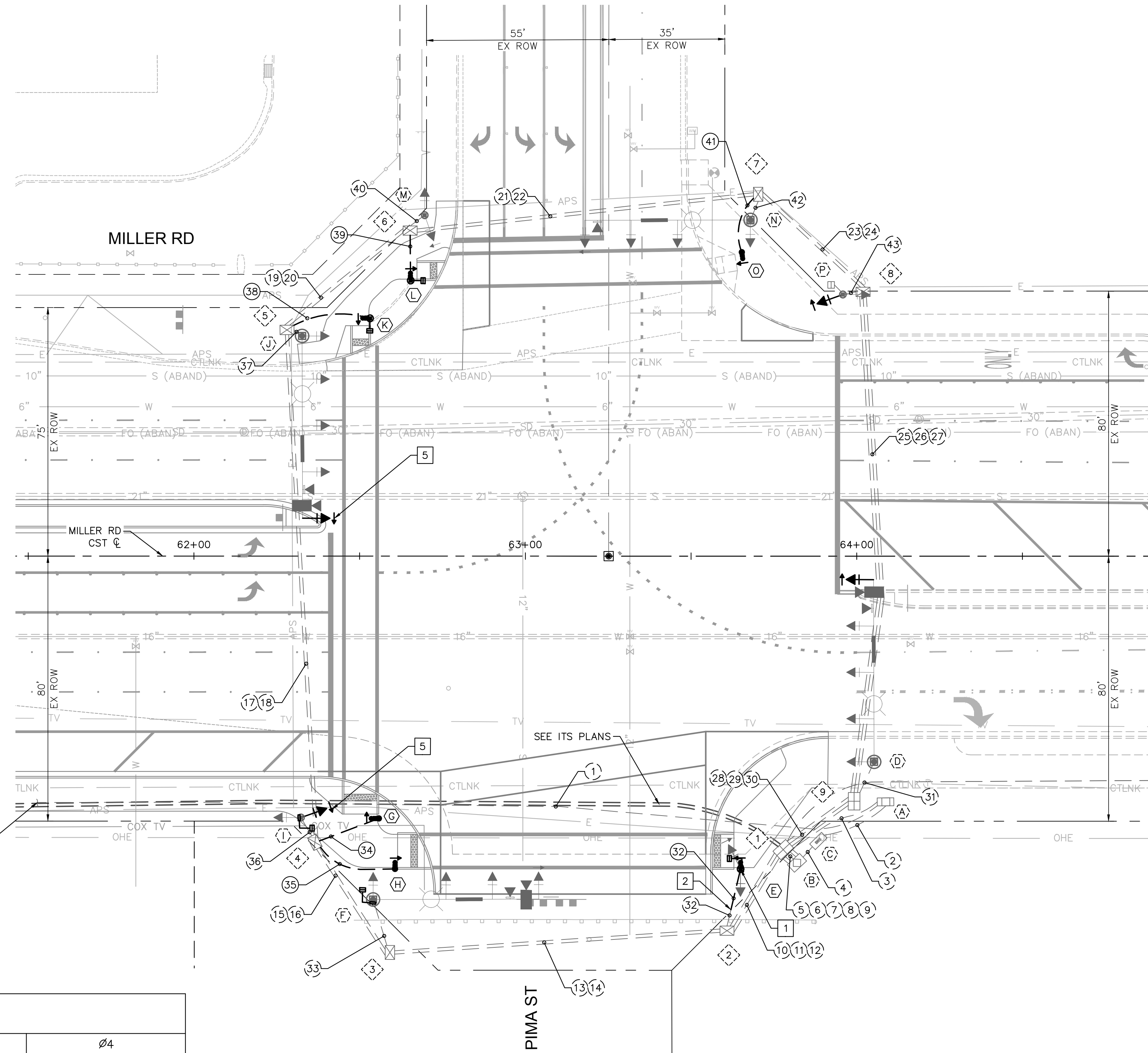
- 1. ALL EXISTING SIGNAL EQUIPMENT TO BE REMOVED SHALL REMAIN IN PLACE AND OPERATIONAL UNTIL THE INSTALLATION OF THE NEW TRAFFIC SIGNAL EQUIPMENT OR TEMPORARY EQUIPMENT IS COMPLETE AND IN PLACE.
- 2. THE EXISTING TRAFFIC SIGNAL SHALL REMAIN OPERATIONAL AT ALL TIMES DURING CONSTRUCTION PREDETERMINE CUT-OVER PERIODS.
- 3. THE CONTRACTOR SHALL RETURN ALL REMOVED/UNUSED TRAFFIC SIGNAL EQUIPMENT TO THE CITY OF BUCKEYE.
- 4. ALL EXISTING CONDUIT, PULL BOXES, FOUNDATIONS, VIDEO DETECTION CABLE AND CONDUCTORS TO BE REMOVED SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF ACCORDING TO THE CITY OF BUCKEYE REQUIREMENTS OFF THE PROJECT SITE.
- 5. EXISTING FOUNDATIONS FOR REMOVED TRAFFIC SIGNAL POLES SHALL BE REMOVED A MINIMUM OF 3 FEET. AREA SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED PER CITY OF BUCKEYE SPECIFICATIONS. THE CONTRACTOR SHALL BACKFILL AND COMPACT ALL VOIDS AS DIRECTED BY THE ENGINEER. FOUNDATIONS FOR TYPE "A" AND TYPE "PED" POLES SHALL BE REMOVED COMPLETELY.



REVISIONS:	
1	
2	
3	
PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS TRAFFIC SIGNAL REMOVAL PLAN	
ENGINEER INFORMATION: Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL <i>Zachary Handy</i> 70672 ZACHARY HANDY 03/28/2024 ARIZONA, U.S.A. Expires 03/31/26
ORIGINAL PLAN DATE: 3/28/2024	LATEST REVISION DATE:
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 91 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING #	
COB PERMIT #	
ENG/MJ/RC/P-21-003	

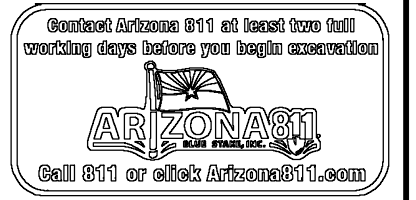
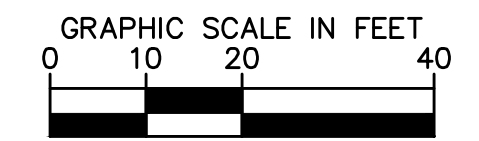
PULL BOX SCHEDULE			
NO.	TYPE	LOCATION*	REMARKS
1	NO. 9	APPROX. AS SHOWN	EXISTING TO REMAIN
2	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
3	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
4	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
5	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
6	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
7	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
8	NO. 7E	APPROX. AS SHOWN	EXISTING TO REMAIN
9	NO. 9	APPROX. AS SHOWN	EXISTING TO REMAIN

* ALL STATIONS AND OFFSETS ARE MEASURED FROM THE MILLER RD CENTERLINE.

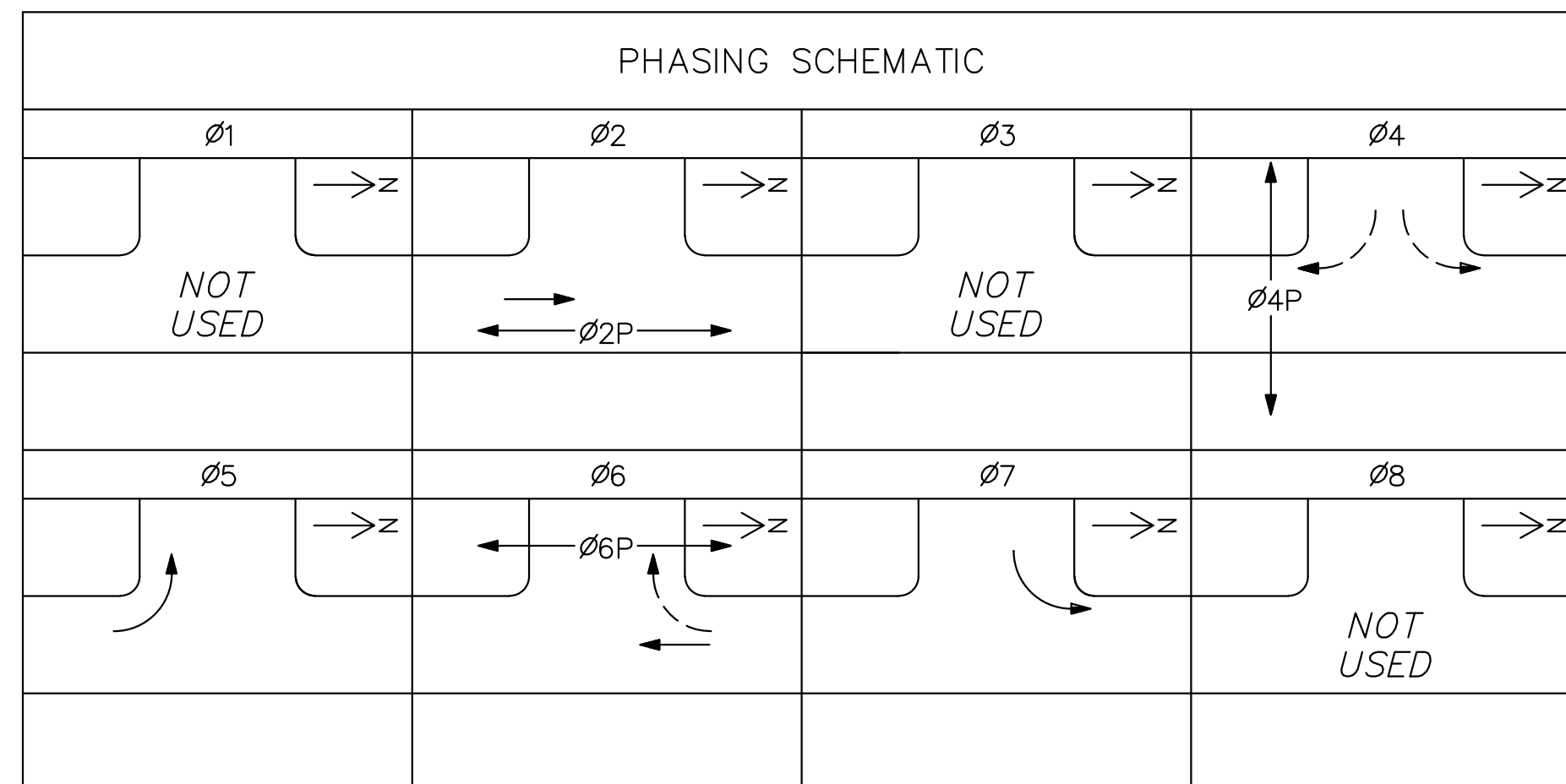


TRAFFIC SIGNAL CONSTRUCTION NOTES

- 1 INSTALL RELOCATED TRAFFIC SIGNAL POLE AND EQUIPMENT ON NEW FOUNDATION.
- 2 INTERCEPT EXISTING CONDUIT.
- 5 COVER SIGNAL HEAD WITH CITY APPROVED MATERIAL.



REVISIONS:	
1	
2	
3	
PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS TRAFFIC SIGNAL PLAN	
ENGINEER INFORMATION: Kimley & Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL <i>Zachary Handy</i> Professional Engineer License No. 70672 ZACHARY HANDY Checked and Signed: 03/28/2024 ARIZONA, U.S.A. Expires: 03/31/26
ORIGINAL PLAN DATE: 3/28/2024	LATEST REVISION DATE:
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 92 OF 133
COB PLAN TRACKING #	FINAL
COB PERMIT #	ENG/MJ/RCP-21-003



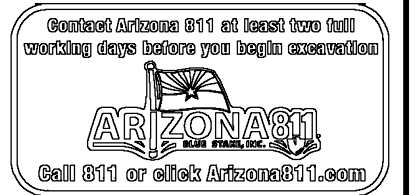
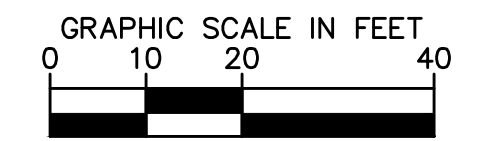
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POLE SCHEDULE

CABINET	TYPE	CONTROLLER	AUX. CONTROL	ASSEMBLY NOTES	LOCATION*			
(A)	METER PEDESTAL (EX)	-	N/A	1. PROTECT IN PLACE.	APPROX. AS SHOWN			
(B)	CONTROLLER CABINET (EX)	-	N/A	1. PROTECT IN PLACE.	APPROX. AS SHOWN			
(C)	BATTERY BACKUP (EX)	-	N/A	1. PROTECT IN PLACE.	APPROX. AS SHOWN			
LAYOUT		MAST ARM		SIGNALS		REMARKS	LOCATION*	
TYPE	SIG.	LUM.	MTG.	FACE	SIGN			
(D)	B TROMBONE COB (EX)	55' (EX)	15' (EX)	1-TROM 3-TROM (EX) 1-V (EX)	1-R 3-F (EX) 1-F (EX)	-	1. EXISTING LED LUMINAIRE TO REMAIN. 2. EXISTING EMERGENCY VEHICLE PRE-EMPTION TO REMAIN. 3. EXISTING VIDEO DETECTION TO REMAIN. 4. EXISTING IISNS TO REMAIN.	APPROX. AS SHOWN
(E)	A ADOT (RELOCATED)	-	-	1-VII (EX) 1-V	1-F (EX) 1-Q (EX) 1-M/H	1-PPB (SEE NOTE 3) R10-3e(R)		STA 63+65 94.5' RT
(F)	B TROMBONE COB (EX)	50' (EX)	15' (EX)	1-TROM (EX) 2-TROM (EX) 1-V (EX) 1-V	1-Q (EX) 2-F (EX) 1-F (EX) 1-M/H	-	1. EXISTING LED LUMINAIRE TO REMAIN. 2. EXISTING EMERGENCY VEHICLE PRE-EMPTION TO REMAIN. 3. EXISTING VIDEO DETECTION TO REMAIN. 4. EXISTING IISNS TO REMAIN.	APPROX. AS SHOWN
(G)	COB PED POST COB DET 64225	-	-	-	-	1-PPB (SEE NOTE 3) R10-3e(L)		STA 62+56 79.2' RT
(H)	COB PED POST COB DET 64225	-	-	-	-	1-PPB (SEE NOTE 3) R10-3e(L)		STA 62+61 94.4' RT
(I)	A ADOT (EX)	-	-	1-VII 1-V	1-F (EX) 1-R 1-M/H	-	1. SEE NOTE 5. 2. Ø1 SIGNAL HEAD SHALL BE BAGGED FOR FUTURE USE.	APPROX. AS SHOWN
(J)	B TROMBONE COB (EX)	55' (EX)	15' (EX)	1-TROM 3-TROM (EX) 1-V (EX)	1-R 3-F (EX) 1-F (EX)	-	1. EXISTING LED LUMINAIRE TO REMAIN. 2. EXISTING EMERGENCY VEHICLE PRE-EMPTION TO REMAIN. 3. EXISTING VIDEO DETECTION TO REMAIN. 4. EXISTING IISNS TO REMAIN. 5. Ø1 SIGNAL HEAD SHALL BE BAGGED FOR FUTURE USE.	APPROX. AS SHOWN
(K)	A (8') ADOT DET T-SL 4.01	-	-	1-V	1-M/H	1-PPB (SEE NOTE 3) R10-3e(R)		STA 62+53 71.8' LT
(L)	A (8') ADOT DET T-SL 4.01	-	-	1-V	1-M/H	1-PPB (SEE NOTE 3) R10-3e(L)		STA 62+65 83.2' LT
(M)	A ADOT (EX)	-	-	1-VII (EX)	1-F (EX) 1-Q (EX)	-		APPROX. AS SHOWN
(N)	B TROMBONE COB (EX)	55' (EX)	15' (EX)	1-TROM (EX) 2-TROM (EX) 1-V (EX)	1-Q (EX) 2-F (EX) 1-F (EX)	-	1. EXISTING LED LUMINAIRE TO REMAIN. 2. EXISTING EMERGENCY VEHICLE PRE-EMPTION TO REMAIN. 3. EXISTING IISNS TO REMAIN.	APPROX. AS SHOWN
(O)	COB PED POST COB DET 64225	-	-	-	-	1-PPB (SEE NOTE 3) R10-3e(L)		STA 63+65 91.7' LT
(P)	A ADOT (EX)	-	-	1-VII 1-V (EX)	1-F (EX) 1-R 1-M/H (EX)	-	1. SEE NOTE 5.	APPROX. AS SHOWN

POLE SCHEDULE NOTES:

1. THE CONTRACTOR SHALL CONTACT ISAAC AISPURO (CITY OF BUCKEYE TRAFFIC TECHNICIAN) AT (623) 698-2816 A MINIMUM OF 10 DAYS IN ADVANCE TO SCHEDULE THE WIRING AND INSTALLATION OF THE TRAFFIC SIGNAL MODIFICATIONS.
2. THE STATIONS AND OFFSETS FOR TRAFFIC SIGNAL POLES WHICH ARE SHOWN ON THE PLANS AND IN THE POLE/EQUIPMENT SCHEDULE ARE APPROXIMATE. THE FINAL LOCATION OF EACH POLE SHALL BE STAKED IN THE FIELD BY THE CONTRACTOR, AND APPROVED BY THE ENGINEER, TO ENSURE THAT THE POLE FOUNDATION IS INTEGRATED INTO THE SIDEWALK RAMP DESIGN AND TO ENSURE THAT THE PEDESTRIAN PUSH BUTTON ASSEMBLIES ARE ACCESSIBLE TO WHEELCHAIR BOUND PEDESTRIANS. SEE ROADWAY PLANS FOR SIDEWALK RAMP INSTALLATION DETAILS.
3. NEW PEDESTRIAN PUSH BUTTONS SHALL BE AUDIBLE CAMPBELL GUARDIAN 912 BLACK. PUSH BUTTONS SHALL BE MOUNTED AT A HEIGHT OF 42" TO COMPLY WITH ADA REQUIREMENTS.
4. SEE SIGNING PLANS FOR SIGNS MOUNTED ON SIGNAL POLES AND MAST ARMS.
5. RELOCATE EXISTING TYPE F HEAD TO NEW TYPE VII MOUNTING ASSEMBLY.
6. ALL TRAFFIC SIGNAL POLES, MAST ARMS, AND CABINETS SHALL BE PAINTED BUCKEYE WHITE.



REVISIONS:	
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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS POLE SCHEDULE	
ENGINEER INFORMATION: Kimley-Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE: 3/28/2024	LATEST REVISION DATE:
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 93 OF 133
COB PLAN TRACKING #	FINAL
COB PERMIT #	ENG/MJ/RCP-21-003

NOTES:
* ALL STATIONS AND OFFSETS ARE MEASURED FROM THE MILLER RD CENTERLINE.

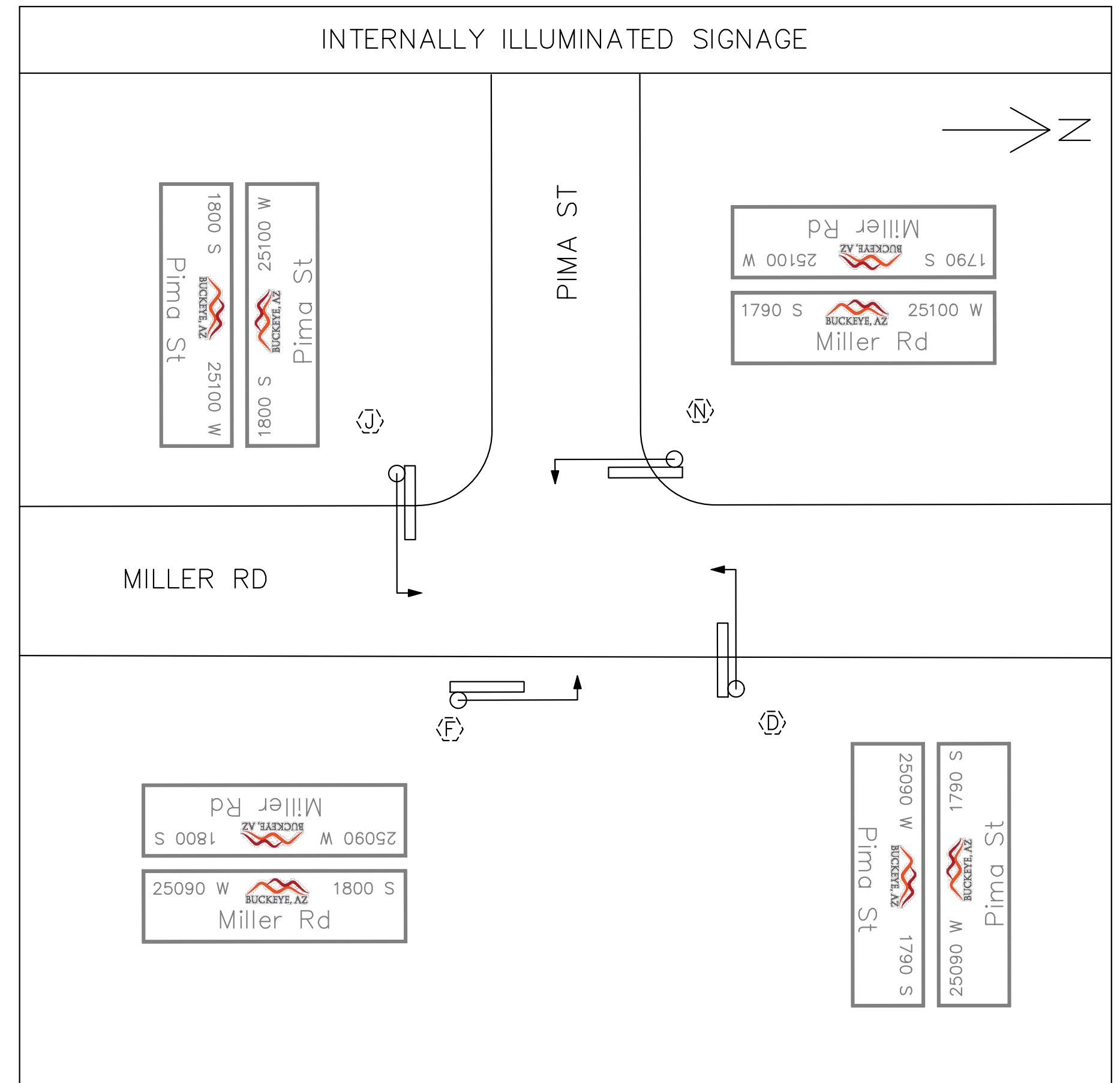
ABBREVIATIONS

CCTV - CLOSED CIRCUIT TELEVISION CAMERA
EVP - EMERGENCY VEHICLE PRE-EMPTION
IISNS - INTERNALLY ILLUMINATED STREET NAME SIGN
VDC - VIDEO DETECTION CAMERA

		CONDUCTOR SCHEDULE																																																			
CONDUIT RUN NO.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43									
CONDUIT SIZE IN INCHES		E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E								
SIGNAL HEADS PED HEADS PED PB'S IMSA 19-1 #14 AWG	25 CONDUCTOR					3				1											1	2	2	2									1																				
	7 CONDUCTOR																																																				
	4 CONDUCTOR																																																				
	2 CONDUCTOR					6				3		2	2								1	2	3	3										1	1	1					1	1		1									
BARE BOND	#8 GREEN THW, SOLID																																																				
	#14 AWG IMSA 19-1, 4 CC																																																				
LUMINAIRES (120V)	#14 AWG IMSA 19-1, 4 CC																																																				
	#14 AWG IMSA 19-1, 4 CC																																																				
IISNS	#6 AWG 140/240V, THWN																																																				
SERVICE	PER MANUFACTURER																																																				
EVP	TRACER WIRE #8 BARE BOND																																																				
VIDEO DETECTION (SEE NOTE 2)	POLE (D)																																																				
	POLE (F)																																																				
	POLE (J)																																																				

E - EXISTING CONDUIT TO REMAIN
* - INTERCEPT EXISTING CONDUIT AS SHOWN ON PLANS

- NOTES:
- ONLY NEW CONDUCTORS ARE SHOWN IN THE CONDUCTOR SCHEDULE. ALL EXISTING CONDUCTORS SHALL REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY CONDUCTORS THAT ARE DAMAGED OR NOT WORKING PROPERLY AT PROJECT COMPLETION.
 - CABLING PER MANUFACTURER'S REQUIREMENTS.



- NOTES:
- INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE PER COB DETAILS 642110 AND 642111. THE CITY ENGINEER PRIOR TO MANUFACTURE AND INSTALLATION SHALL APPROVE IISNS LAYOUT, FORMAT, COLOR, SIZE, AND STREET NUMBERS.
 - SEE TRAFFIC SIGNAL GENERAL NOTE 7 FOR INTERNALLY ILLUMINATED STREET NAME SIGN MOUNTING REQUIREMENTS.

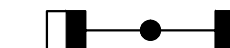
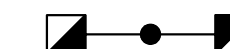






REVISIONS:		FINAL
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3		
PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS CONDUCTOR SCHEDULE		
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500		
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	SUBMITTAL: FINAL
AS-BUILT SEAL	DESIGN SEAL 	
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	COB PLAN TRACKING # N/A COB PERMIT # ENGMJRCIP-21-003
PROJECT NUMBER CIP #105260	SHEET NUMBER 94 OF 133	

ELECTRICAL NOTES:

- ALL EQUIPMENT, MATERIALS AND WORK SHOWN ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING OR NOTED OTHERWISE ON OTHER SHEETS.
- PROVIDE ALL LABOR, MATERIALS, TOOLS, ACCESSORIES, ETC. REQUIRED FOR A COMPLETE WORKING ELECTRICAL SYSTEM.
- ALL ELECTRICAL WORK SHALL COMPLY WITH ALL APPLICABLE STATE, COUNTY AND LOCAL CODES AND ORDINANCES, AS WELL AS ALL CURRENT STANDARDS, CODES AND PRACTICES AS REQUIRED BY NEC, NEMA, ANSI, NFPA, UBC, UL, IEEE, AND UTILITY COMPANY STANDARDS.
- OBTAIN WRITTEN APPROVAL FROM THE ENGINEER OF ALL SHOP DRAWINGS AND MANUFACTURERS DATA FOR PANEL BOARDS, TRANSFORMERS, WIRING DEVICES, ETC. BEFORE RELEASING ORDERED MATERIALS. SUBMITTAL DATA SHALL INDICATE THAT THE CONTRACTOR HAS REVIEWED THE INFORMATION THEREIN AND THAT THE PROPOSED EQUIPMENT WILL MEET THE PHYSICAL CONSTRAINTS AT THE JOB SITE. ANY SUBSTITUTIONS SHALL BE OF THE EQUIVALENT OR BETTER QUALITY THAN THE SPECIFIED COMPONENTS.
- ALL WIRE SHALL BE COPPER.
- ALL CONDUIT SHALL BE ROUTED UNDER FOOTINGS WHERE APPLICABLE. REFER TO STRUCTURAL DETAILS FOR MORE INFORMATION.
- THE USE OF SERIES RATING OF UPSTREAM OR DOWNSTREAM CIRCUIT BREAKERS OR FUSES IS PROHIBITED. ONLY FULLY RATED SYSTEM COMPONENTS WILL BE ACCEPTED.
- ALL UNDERGROUND CONDUIT SHALL BE WRAPPED RIGID STEEL WITH THREADED COUPLINGS AND CONNECTORS, AND/OR PVC SCHEDULE 40. ALL ELBOWS AND EXPOSED RISERS SHALL BE RIGID STEEL CONDUIT.
- TYPE MC OR TYPE AC CABLE SHALL ONLY BE USED WITH THE SPECIFIC WRITTEN PERMISSION OF THE PROGRAM/PROJECT MANAGER. ENT TYPE CONDUIT WILL NOT BE ALLOWED.
- VERIFY EXACT LOCATION OF ALL RECEPTACLES ABOVE OR ADJACENT TO COUNTERS, FIXTURES, MIRRORS, OUTDOOR FIXTURES AND MOUNTING HEIGHTS AND LOCATIONS OF ALL FIXTURES & BOXES PRIOR TO ROUGH-IN. NO EXTRA COSTS WILL BE ALLOWED FOR FAILURE TO COMPLY.
- ORDER AND/OR RELEASE ORDERED MATERIALS PROMPTLY AFTER SUBMITTAL APPROVAL. NO SUBSTITUTIONS OR ALTERNATE METHODS OF INSTALLATION WILL BE ACCEPTED FOR FAILURE TO ORDER MATERIALS IN A TIMELY FASHION.
- ANY POWER OUTAGE OF ANY CIRCUIT SHALL BE APPROVED BY THE OWNER IN WRITING A MINIMUM OF TWO WEEKS PRIOR TO OUTAGE. ALL OUTAGES SHALL BE DONE EXACTLY WHEN DETERMINED BY THE OWNER AND DONE BEFORE OR AFTER WORKING HOURS AND ON WEEKENDS. NO SINGLE OUTAGE SHALL REQUIRE MORE THAN 4 HOURS. PROVIDE TEMPORARY POWER, HEAT & COOLING IS REQUIRED DURING OUTAGE.
- PULL ROPES: PROVIDE 300 POUND PULL WIRE OR NYLON EQUIVALENT IN ALL INTERIOR EMPTY CONDUIT RUNS. PROVIDE 1/4" DIA NYLON PULL ROPE IN EACH EMPTY EXTERIOR CONDUIT OR DUCT.
- ALL MULTIPLE POLE CIRCUITS SHALL BE PROVIDED WITH HANDLE TIES AS REQUIRED BY NEC.
- CONDUIT/ CONDUCTOR RUNS SHOWN ARE DIAGRAMMATICAL ONLY. THE BEST FINAL CONDUIT ROUTING SHALL BE AS DETERMINED BY THE ELECTRICAL CONTRACTOR AT THE TIME OF CONSTRUCTION.
- PRIOR TO PURCHASE OF ANY PANEL, PROTECTIVE DEVICES, SWITCH, STARTER, CONDUIT, WIRE, ETC., TO FEED ANY PIECE OF EQUIPMENT VERIFY THE VOLTAGE, PHASE, AND LOAD OF THAT ITEM IN THE FIELD AND/OR WITH THE PARTICULAR ENTITY INVOLVED IN THE FURNISHING THE ITEM SUCH THAT THE PROPER SIZE & RATING OF THE MATERIALS ARE PURCHASED. NO EXTRAS WILL BE ALLOWED FOR FAILURE TO COMPLY. THIS APPLIES TO ALL EQUIPMENT UNDER OTHER SECTIONS & BY THE OWNER.
- DUE TO THE REQUIREMENTS TO INTERFACE WITH EXISTING FACILITIES AND UTILITIES. IT IS RECOMMENDED THAT THE CONTRACTOR VISIT THE SITE TO DETERMINE EXISTING CONDITIONS PRIOR TO BID.
- ALL RECEPTACLES SHALL MATCH THE MALE PLUG CONNECTOR OF ALL EQUIPMENT PROVIDED. VERIFY PRIOR TO PURCHASE.
- PROVIDE ALL TRENCHING, EXCAVATION, BACK FILLING, SHORING, PUMPING, COMPACTION TEST ETC. THAT ARE REQUIRED FOR THE SCOPE OF ELECTRICAL WORK.
- VERIFY THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT PRIOR TO ROUGH-IN. FINAL CONNECTIONS OF EQUIPMENT SHALL BE PER MANUFACTURERS APPROVED WIRING DIAGRAMS, DETAILS AND INSTRUCTIONS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
- ALL PANEL BOARDS, SWITCHES, MOTOR STARTERS AND SWITCHBOARD CIRCUIT BREAKERS SHALL HAVE ENGRAVED MICARTA NAMEPLATES.
- ELECTRICAL CONTRACTOR SHALL GUARANTEE THE ELECTRICAL WORK TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE.
- COORDINATE WITH MECHANICAL CONTRACTOR TO AVOID CONFLICTS BETWEEN DUCT WORK, SUPPLY & EXHAUST DIFFUSERS AND LIGHTING, SOUND SYSTEMS & FIRE ALARM SYSTEM FIXTURES.
- PROVIDE ALL PANEL BOARDS WITH TYPED DIRECTORIES INSTALLED UNDER A CLEAR PLASTIC COVER. SUBMIT DIRECTORY INFORMATION TO THE OWNER FOR APPROVAL PRIOR TO FINALIZATION.
- APPEARANCE AND WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND STANDARDS.

LEGEND (LIGHTING):

- PROPOSED**
-  DUAL MOUNTED GE ARTERIAL LED LIGHTING FIXTURE
 -  DUAL MOUNTED GE COLLECTOR LED LIGHTING FIXTURE
 -  APS FLUSH MOUNTED PULL BOX
 -  LIGHTING CONSTRUCTION NOTE
 -  LIGHTING REMOVAL AND RELOCATION NOTE
 -  NONMETALLIC ELECTRICAL CONDUIT

STREET LIGHTING NOTES:

- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION.
- POLE SHALL COMPLY WITH CURRENT AASHTO LOADING REQUIREMENTS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS.
- REFER TO BUCKEYE DETAIL FOR ANCHOR BOLT DETAILS.
- THE FOUNDATION HOLE SHALL BE AUGERED AND MAG CLASS "A" (3,000 PSI) CONCRETE, POURED AGAINST UNDISTURBED COMPACTED EARTH.
- UNSTABLE SOIL AND/OR A STEEP SLOPE WILL REQUIRE A DEEPER FOUNDATION. REFER TO MANUFACTURER REQUIREMENTS, DESIGN PLANS, AND SPECIAL PROVISIONS FOR DETAILS.
- EACH POLE SHALL HAVE AN 10' X 5/8" COPPER CLAD GROUND ROD, DRIVEN OUTSIDE THE AREA EXCAVATED FOR THE POLE APPROXIMATELY 18" FROM POLE GROUND RODS SHALL BE LOCATED IN THE CITY OF BUCKEYE JUNCTION BOX. A #6 BARE COPPER LEAD SHALL BE USED BETWEEN THE GROUND ROD AND THE LANDING LUG IN HAND HOLE.
- THE POLE SHALL BE A STRAIGHT PIPE.
- ALL WELDS SHALL BE GROUNDED SMOOTH AND ALL BURRS AND SHARP EDGES SHALL BE REMOVED PRIOR TO ANY PAINTING.
- ALL DIMENSIONS ARE NOMINAL.
- REFER TO PLAN DETAILS FOR VARIATIONS IN POLE APPLICATIONS.
- AT NO TIME SHALL SLIP-BASE POLES, BASES, FOUNDATIONS, ect. BE PERMITTED FOR USE.
- A METAL TAG SHALL PERMANENTLY ATTACHED WITH RIVETS TO THE POLE ABOVE THE HAND HOLE STATING THE MANUFACTURERS NAME, POLE TYPE, MAST ARM TYPE, WATTAGE, AND DISTRIBUTION TYPE PER THE STREETLIGHT PLANS AND CITY DETAIL #6. ALL OTHER ITEMS SHOULD BE ATTRIBUTES IN THE DATA BASE. APS WILL PROVIDE POLE NUMBERING PER THE UTILITIES REQUIREMENTS.
- A HAND HOLE COVER LOCKING DEVICE SHALL BE USED.
- THE HAND HOLE SHALL BE 3"x5", AND THE COVER PLATE WILL BE AT LEAST 16 GAUGE.
- POLE GROUND SHALL BE 5/16" DIA X 10' COPPER CLAD GROUND ROD PER CITY DETAIL #6.
- HAND HOLE SHALL BE ORIENTED SO THAT IT IS ALIGNED WITH THE MAST ARM AND AS FAR FROM THE VEHICULAR TRAFFIC AS POSSIBLE.
- HAND HOLE HEIGHT TO BE 2'-6" FOR BASE MOUNTED POLE & 3'-6" FOR DIRECT BURIED POLES FROM CENTER OF HAND HOLE TO BASE PLATE OF THE POLE.
- HAND HOLE COVER MAY BE RECTANGULAR SHAPE OR OVAL SHAPE.
- ANCHOR BOLTS SHALL CONFORM TO THE POLE MANUFACTURER'S STANDARDS AND BE MINIMUM ASTM F 1554 GRADE 55 STEEL.
- ALL ANCHOR BOLTS, NUTS AND WASHERS SHALL BE FULLY GALVANIZED PER ASTM A153.
- REBAR SHALL BE PER ASTM A 615 LATEST EDITION GRADE 60 AND SHALL BE TIED TOGETHER. NO TACK WELDING ALLOWED.
- REBAR SHALL NOT BE SET CLOSER THAN 3" TO AN EXTERIOR SURFACE.
- THE TOP OF THE POLE FOUNDATION AND PULL BOXES SHALL MATCH EXISTING SIDEWALK GRADE WHEREVER POSSIBLE. IF NO SIDEWALK EXISTS THAN THE POLE FOUNDATION SHALL EXTEND 1" ABOVE THE FINISHED GRADE. PULL BOXES SHALL BE SET TO MATCH EXISTING SLOPE.
- PULL BOXES SHALL HAVE BOLTS INSTALLED PRIOR TO ENERGIZING. THE BOLTS SHALL BE A SECURITY TYPE REQUIRING A SPECIALIZED TOOL TO REMOVE. MINIMUM OF PENTA-HEAD STYLE BOLTS SHALL BE REQUIRED.
- COMPACTION BENEATH AND AROUND THE PULL BOXES SHALL BE A MINIMUM OF 95 PERCENT PER MAG SPECS. SECTIONS 601.
- THE PULL BOX COVER SHALL READ "C.O.B STREET LIGHTING"
- POLE OFFSET SHALL COMPLY WITH THE POLE SCHEDULE AND DESIGN PLANS. FIELD ADJUSTMENTS MAY BE PERMITTED AT THE DISCRETION OF THE DESIGN ENGINEER.
- CONDUIT SHALL EXTEND A MINIMUM OF 2" ABOVE THE FOUNDATION.
- THE USE OF CONDUIT CAPS SHALL BE REQUIRED TO KEEP THE SWEEP FREE FROM DIRT AND DEBRIS DURING THE FOUNDATION CONSTRUCTION. DO NOT GLUE ON CAPS.
- IF THE STREETLIGHT IS PLACE IN SIDEWALK, EXTEND THE ANCHOR BOLTS TO THE MAXIMUM OF 3-1/4" ABOVE THE FOUNDATION.
- THE CONCRETE FOUNDATION SHALL BE POURED IN DRILLED HOLES. USE A MINIMUM 18" DEEP SONOTUBE AT THE TOP OF THE FOUNDATION IS REQUIRED TO PROVIDE A UNIFORM AND CONTROLLED FOUNDATION.
- THE FOUNDATION TEMPLATE SHALL BE REMOVED AFTER THE CONCRETE HAS SET.
- THE FOUNDATION SHALL BE TROWELED SMOOTH WITH A SLIGHT SLOPE TO PROMOTE MOISTURE RUNOFF FINISH WITH A 1/2" ROUNDED EDGE.
- IF STREET LIGHT POLE FOUNDATIONS ARE TO BE PLACED IN A CONCRETE PAD (SIDEWALK, HANDI-CAP RAMP) THERE SHALL BE A 1/2" PIECE OF EXPANSION MATERIAL BETWEEN THE FOUNDATION AND THE CONCRETE PAD.
- WIRE FROM JUNCTION BOX TO LAMP SHALL BE 2-#14Cu-THWN-2 AND 1#14 BARE COPPER GROUND. COLORED PER THE NEC REQUIREMENT.
- JUNCTION BOX TO CONTAIN A WATER TIGHT 10AMP FUSE IN 65U BREAK AWAY FUSE HOLDER ON EACH POWER CONDUCTOR. FUSE IN HAND HOLE IS NOT REQUIRED BY THE CITY OF BUCKEYE.
- ALL STREET LIGHTS SHALL BE INSPECTED BY A CITY OF BUCKEYE INSPECTOR.
- ALL STREETLIGHT MUST HAVE A 3 DAY BURN PERIOD PRIOR TO INSPECTION.

ABBREVIATIONS:

- AFG ABOVE FINISH GRADE
- ATS AUTOMATIC TRANSFER SWITCH
- AWG AMERICAN WIRE GAUGE
- BOC BACK OF CURB
- BOW BACK OF WALK
- EXST EXISTING
- DWY DRIVEWAY
- GEC GROUNDING ELECTRODE CONDUCTOR
- GND GROUND
- IBC INTERNATIONAL BUILDING CODE
- IFC INTERNATIONAL FIRE CODE
- IMC INTERMEDIATE METAL CONDUIT
- IPC INTERNATIONAL PLUMBING CODE
- KCMIL THOUSAND CIRCULAR MIL
- MLO MAIN LUG ONLY
- NEC NATIONAL ELECTRICAL CODE
- NTS NOT TO SCALE
- RMC RIGID METAL CONDUIT
- RTU REMOTE TERMINAL UNIT
- SCCR SHORT CIRCUIT CURRENT RATING
- TYP. TYPICAL
- MH MOUNT HEIGHT



REVISIONS:

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PLAN NAME: MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
ELECTRICAL GENERAL NOTES

ENGINEER INFORMATION

Kimley»Horn

7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

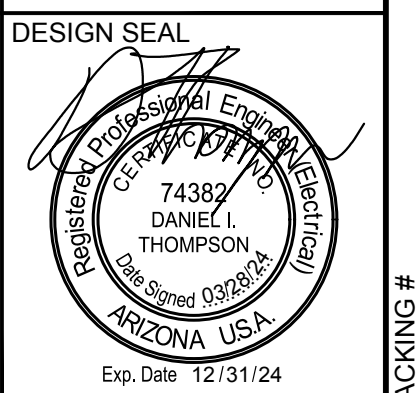
COB PERMITTING APPROVED SEAL

COB ENGINEERING APPROVED SEAL

SUBMITTAL: FINAL

AS-BUILT SEAL

DESIGN SEAL





ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 95 OF 133

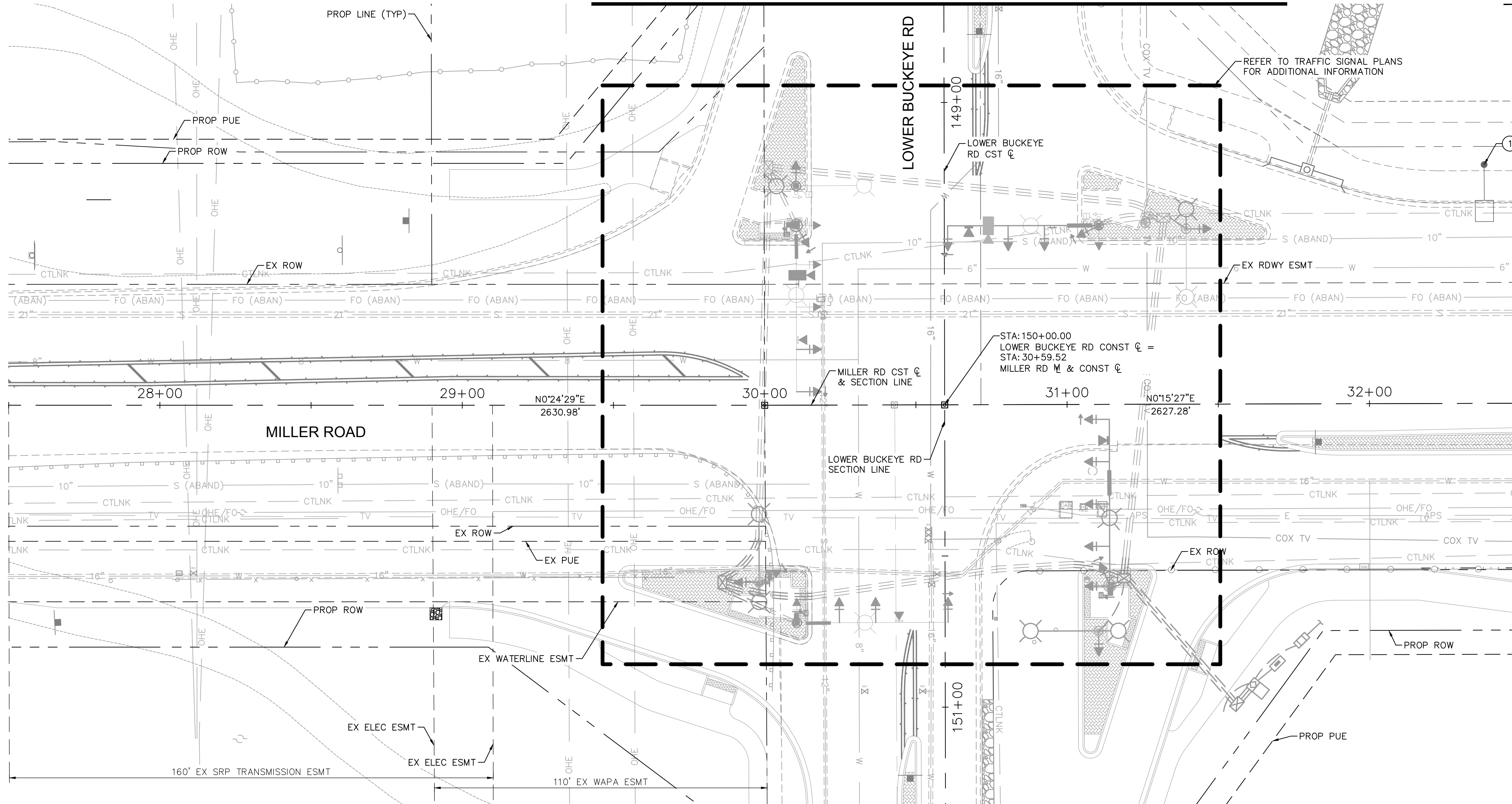
COB PLAN TRACKING #
N/A

COB PERMIT #
ENGMJRCIP-21-003

LUMINAIRE EQUIPMENT LIST

KEY NO.	SYMBOL	STREET TYPE	OFFSET BEHIND B/C	QUANTITY	POLE HEIGHT		MAST ARM SIZE	MOUNTING HEIGHT	LUMINAIRE				LED STREETLIGHT SPEC NUMBER				
					POLE HEIGHT	FOUNDATION			LUMENS	WATTAGE	C.C.T.	I.E.S DISTRIBUTION		VOLTAGE	TYPE		
1		MAJOR ARTERIAL	CENTER OF MEDIAN	20	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 17,200	(2) 130W	3000	TYPE II	PER APS	LED	DARK BRONZE	0.9	ERL2018C530ADKBZGLR
2		MAJOR COLLECTOR	6' BOC OR 2' BOW	4	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 10,500	(2) 87W	3000	TYPE III	PER APS	LED	DARK BRONZE	0.9	ERL1011C530ADKBZGLR

MATCHLINE STA. 148+67.36 SEE SHEET 105

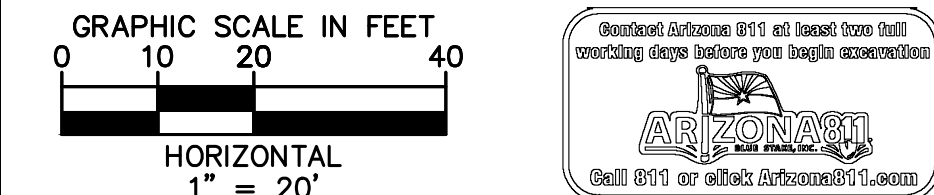


MATCHLINE STA. 151+32.62 SEE SHEET 105

MATCHLINE STA. 32+50 SEE SHEET 97

CONSTRUCTION NOTES		
NO.	DESCRIPTION	UNITY/QUANTITY
1	FURNISH AND INSTALL (2) GE EVOLVE 130W, 17,200 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 0
2	FURNISH AND INSTALL (2) GE EVOLVE 87W, 10,500 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 0
3	FURNISH AND INSTALL (1) 1" CARFLEX LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT WITH (2) #14 AWG CU THWN-2 AND (1) #14 AWG CU BARE BOND CONDUCTORS FROM JUNCTION BOX TO POLE PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	LF 0
4	FURNISH AND INSTALL (1) APS FLUSH MOUNTED JUNCTION BOX PER APS SPECIFICATIONS AND REQUIREMENTS. REFER TO COB STD DETAIL #6 ON SHEET 107 FOR ADDITIONAL INFORMATION.	EA 0

REMOVAL AND RELOCATION NOTES		
NO.	DESCRIPTION	UNITY/QUANTITY
1	REMOVE AND SALVAGE EXISTING STREET LIGHT FIXTURE, MAST ARM, POLE AND ASSOCIATED APPURTENANCE. REMOVE EXISTING FOUNDATION AND BACKFILL TO ASTM STANDARDS.	EA 1



REVISIONS:
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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS LIGHTING PLAN

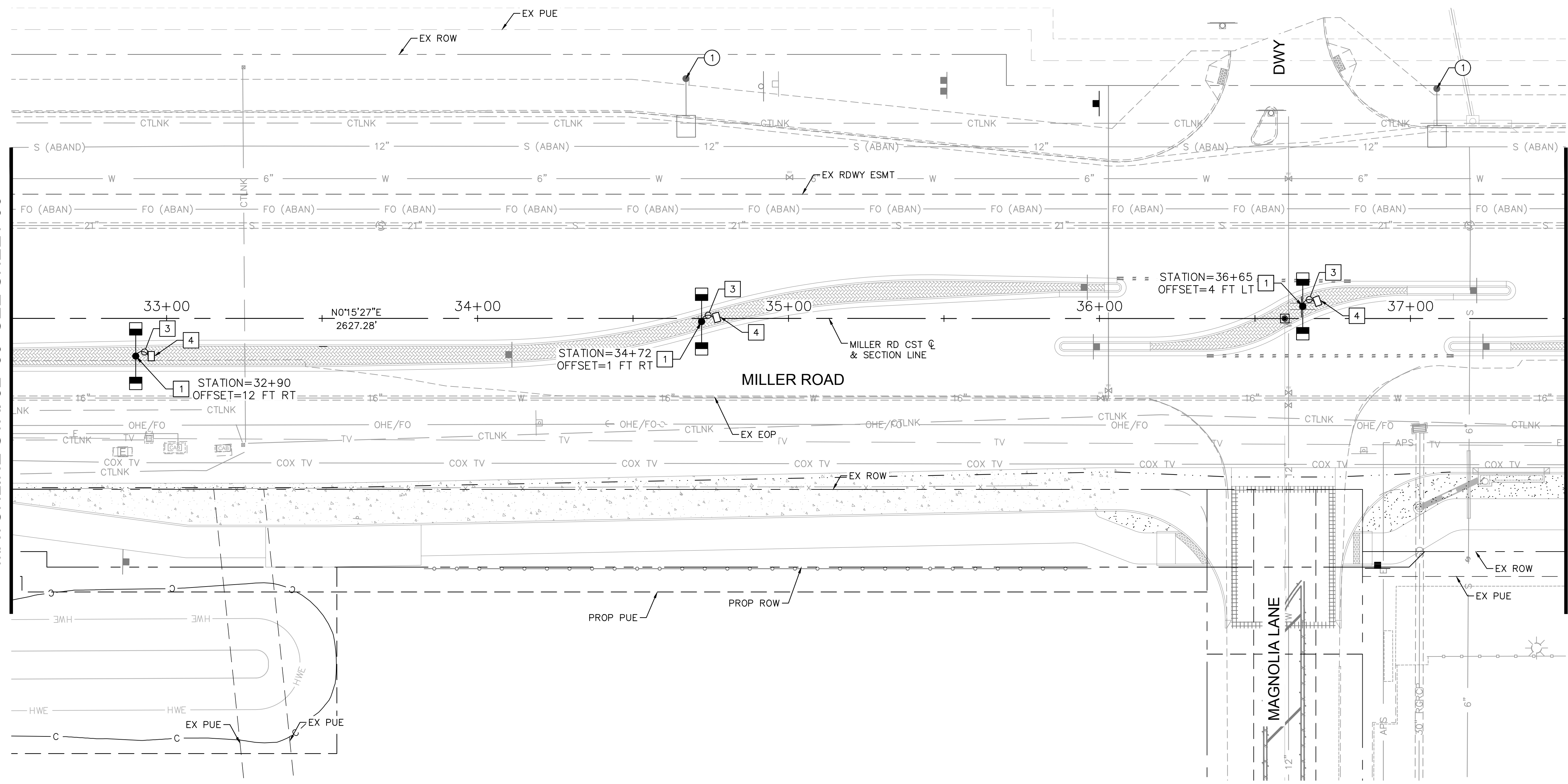
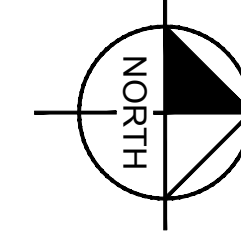
ENGINEER INFORMATION		SUBMITTAL: FINAL
Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500 COB PERMITTING APPROVED SEAL COB ENGINEERING APPROVED SEAL		
AS-BUILT SEAL	DESIGN SEAL	COB PLAN TRACKING # COB PERMIT # ENG/MJ/RC/P-21-003
ORIGINAL PLAN DATE 3/28/2024 PROJECT NUMBER CIP #105260	LATEST REVISION DATE SHEET NUMBER 96 OF 133	

K:\p_h_r\roadway\191542026-miller rd - lower buckeye to pima final design\Cadd\12-sheets\Lighting\1202.dwg | 3/27/2024 | FLORIO, GABE

K:\pht_roadway\191542026-miller rd - lower buckeye to pima final design\Cadd\12-sheets\Lighting\SL03.dwg | 3/27/2024 | FLORIO, GABE

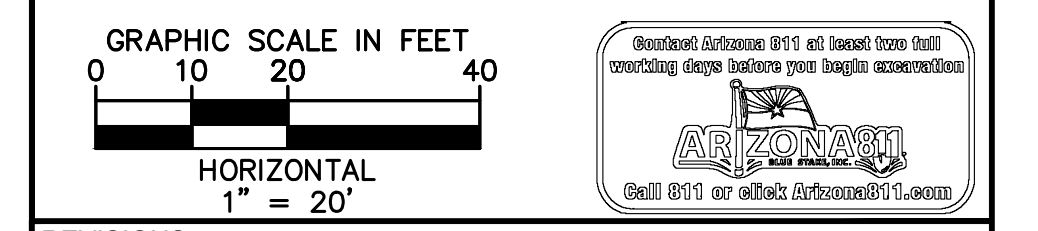
MATCHLINE STA. 32+50 SEE SHEET 96

MATCHLINE STA. 37+50 SEE SHEET 98



CONSTRUCTION NOTES		
NO.	DESCRIPTION	UNITY/QTTY
1	FURNISH AND INSTALL (2) GE EVOLVE 130W, 17,200 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 3
2	FURNISH AND INSTALL (2) GE EVOLVE 87W, 10,500 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 0
3	FURNISH AND INSTALL (1) 1" CARFLEX LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT WITH (2) #14 AWG CU THWN-2 AND (1) #14 AWG CU BARE BOND CONDUCTORS FROM JUNCTION BOX TO POLE PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	LF 45
4	FURNISH AND INSTALL (1) APS FLUSH MOUNTED JUNCTION BOX PER APS SPECIFICATIONS AND REQUIREMENTS. REFER TO COB STD DETAIL #6 ON SHEET 107 FOR ADDITIONAL INFORMATION.	EA 3

REMOVAL AND RELOCATION NOTES		
NO.	DESCRIPTION	UNITY/QTTY
1	REMOVE AND SALVAGE EXISTING STREET LIGHT FIXTURE, MAST ARM, POLE AND ASSOCIATED APPURTENANCE. REMOVE EXISTING FOUNDATION AND BACKFILL TO ASTM STANDARDS.	EA 2



REVISIONS:

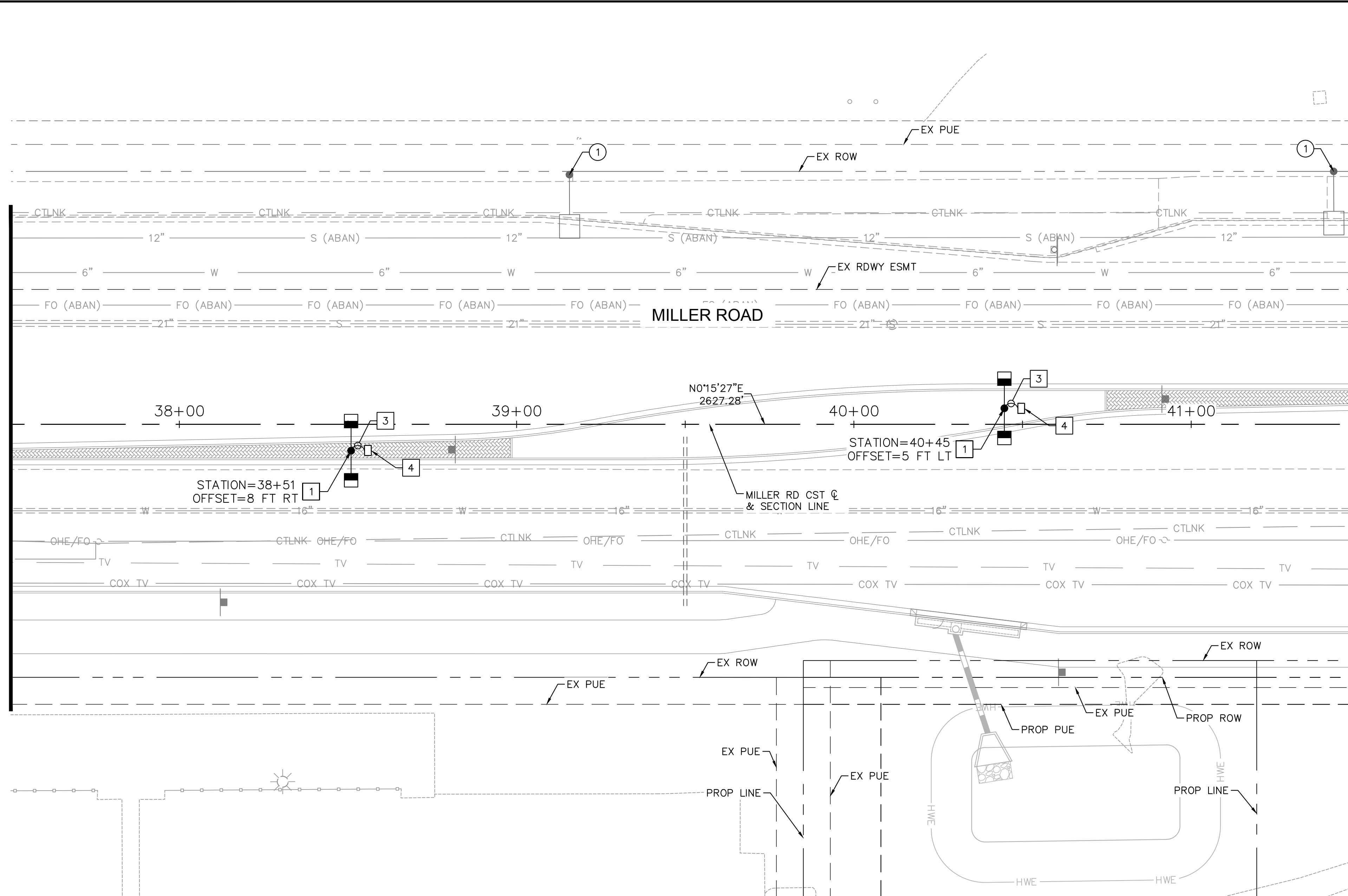
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PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 LIGHTING PLAN**

ENGINEER INFORMATION		FINAL
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500		SUBMITTAL:
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	
AS-BUILT SEAL		COB PLAN TRACKING #
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	
PROJECT NUMBER CIP #105260	SHEET NUMBER 97 OF 133	COB PERMIT # ENGJMRCIP-21-003

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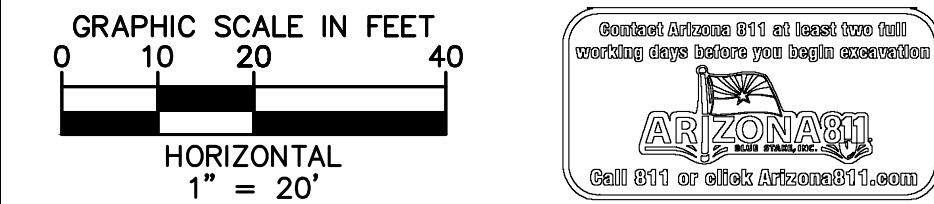
MATCHLINE STA. 37+50 SEE SHEET 97



MATCHLINE STA. 41+50 SEE SHEET 99

CONSTRUCTION NOTES		
NO.	DESCRIPTION	UNITY/QUANTITY
1	FURNISH AND INSTALL (2) GE EVOLVE 130W, 17,200 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 2
2	FURNISH AND INSTALL (2) GE EVOLVE 87W, 10,500 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 0
3	FURNISH AND INSTALL (1) 1" CARFLEX LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT WITH (2) #14 AWG CU THWN-2 AND (1) #14 AWG CU BARE BOND CONDUCTORS FROM JUNCTION BOX TO POLE PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	LF 30
4	FURNISH AND INSTALL (1) APS FLUSH MOUNTED JUNCTION BOX PER APS SPECIFICATIONS AND REQUIREMENTS. REFER TO COB STD DETAIL #6 ON SHEET 107 FOR ADDITIONAL INFORMATION.	EA 2

REMOVAL AND RELOCATION NOTES		
NO.	DESCRIPTION	UNITY/QUANTITY
1	REMOVE AND SALVAGE EXISTING STREET LIGHT FIXTURE, MAST ARM, POLE AND ASSOCIATED APPURTENANCE. REMOVE EXISTING FOUNDATION AND BACKFILL TO ASTM STANDARDS.	EA 2



REVISIONS:

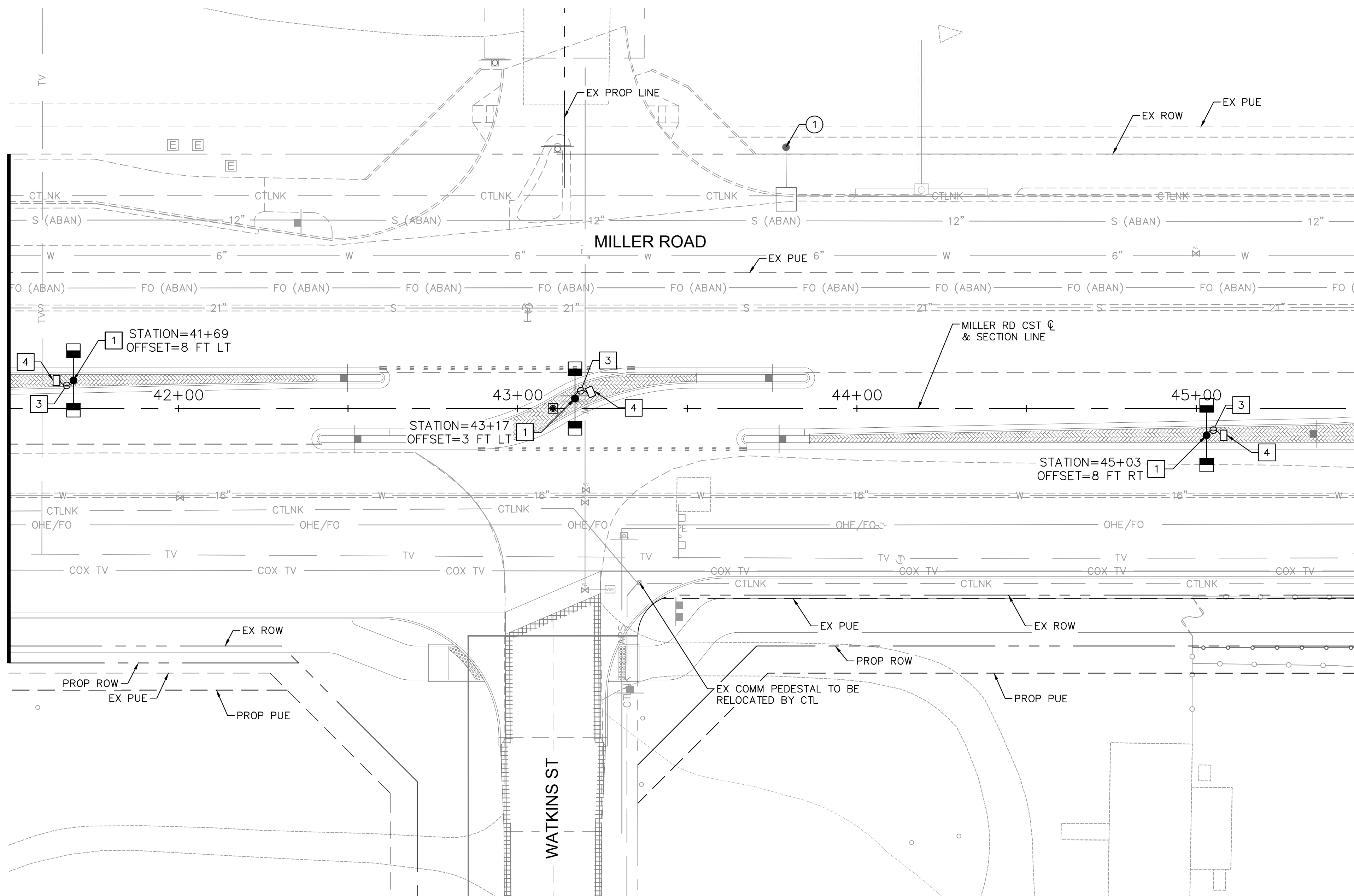
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PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 LIGHTING PLAN**

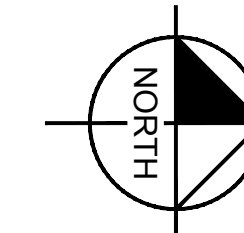
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500		FINAL
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	
AS-BUILT SEAL	DESIGN SEAL 	SUBMITTAL TRACKING #
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	COB PERMIT #
PROJECT NUMBER CIP #105260	SHEET NUMBER 98 OF 133	ENG/MJRC/P-21-003

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MATCHLINE STA. 41+50 SEE SHEET 98

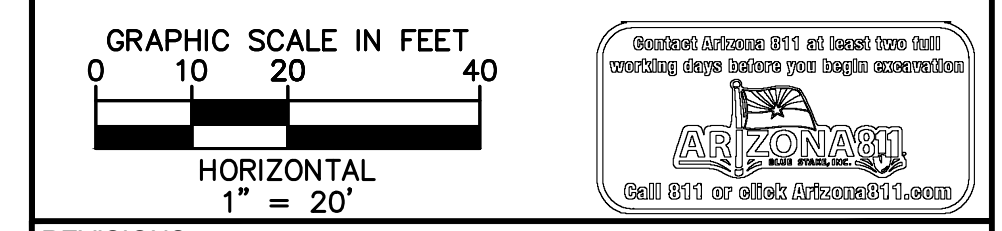


MATCHLINE STA. 45+50 SEE SHEET 100



CONSTRUCTION NOTES		
NO.	DESCRIPTION	UNITY/QTY
1	FURNISH AND INSTALL (2) GE EVOLVE 130W, 17,200 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 3
2	FURNISH AND INSTALL (2) GE EVOLVE 87W, 10,500 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 0
3	FURNISH AND INSTALL (1) 1" CARFLEX LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT WITH (2) #14 AWG CU THWN-2 AND (1) #14 AWG CU BARE BOND CONDUCTORS FROM JUNCTION BOX TO POLE PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	LF 45
4	FURNISH AND INSTALL (1) APS FLUSH MOUNTED JUNCTION BOX PER APS SPECIFICATIONS AND REQUIREMENTS. REFER TO COB STD DETAIL #6 ON SHEET 107 FOR ADDITIONAL INFORMATION.	EA 3

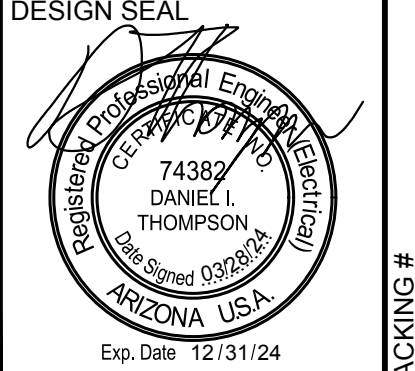
REMOVAL AND RELOCATION NOTES		
NO.	DESCRIPTION	UNITY/QTY
1	REMOVE AND SALVAGE EXISTING STREET LIGHT FIXTURE, MAST ARM, POLE AND ASSOCIATED APPURTENANCE. REMOVE EXISTING FOUNDATION AND BACKFILL TO ASTM STANDARDS.	EA 1



REVISIONS:

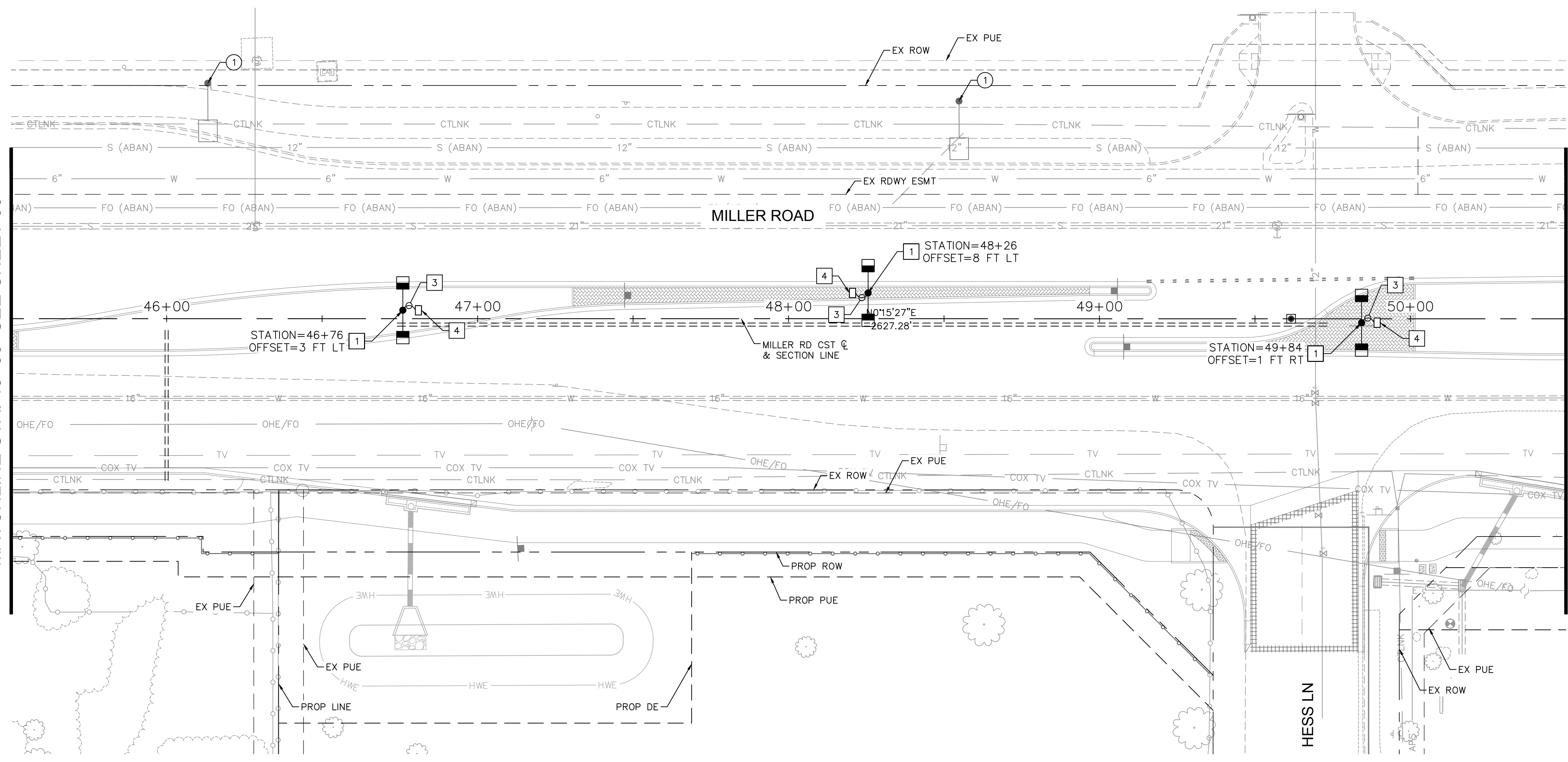
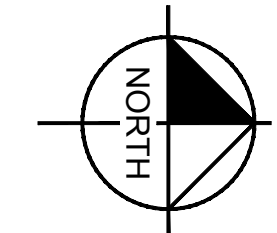
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PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 LIGHTING PLAN**

ENGINEER INFORMATION		SUBMITTAL: FINAL
Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500 COB PERMITTING APPROVED SEAL COB ENGINEERING APPROVED SEAL		
AS-BUILT SEAL	DESIGN SEAL  Exp. Date: 12/31/24	COB PLAN TRACKING # N/A COB PERMIT # ENGMJRPCP-21-003
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	
PROJECT NUMBER CIP #105260	SHEET NUMBER 99 OF 133	

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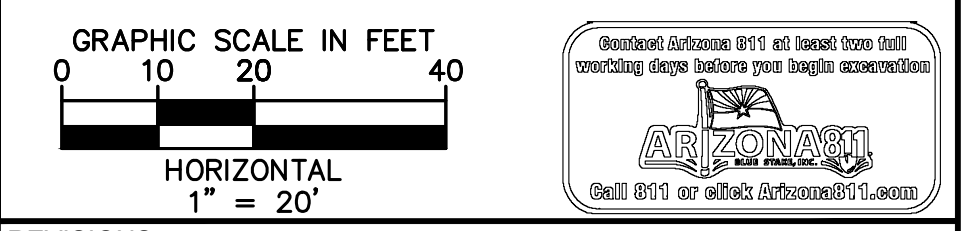
MATCHLINE STA. 45+50 SEE SHEET 99



MATCHLINE STA. 50+50 SEE SHEET 101

CONSTRUCTION NOTES		
NO.	DESCRIPTION	UNITY/QTY
1	FURNISH AND INSTALL (2) GE EVOLVE 130W, 17,200 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 3
2	FURNISH AND INSTALL (2) GE EVOLVE 87W, 10,500 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 0
3	FURNISH AND INSTALL (1) 1" CARFLEX LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT WITH (2) #14 AWG CU THWN-2 AND (1) #14 AWG CU BARE BOND CONDUCTORS FROM JUNCTION BOX TO POLE PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	LF 45
4	FURNISH AND INSTALL (1) APS FLUSH MOUNTED JUNCTION BOX PER APS SPECIFICATIONS AND REQUIREMENTS. REFER TO COB STD DETAIL #6 ON SHEET 107 FOR ADDITIONAL INFORMATION.	EA 3

REMOVAL AND RELOCATION NOTES		
NO.	DESCRIPTION	UNITY/QTY
1	REMOVE AND SALVAGE EXISTING STREET LIGHT FIXTURE, MAST ARM, POLE AND ASSOCIATED APPURTENANCE. REMOVE EXISTING FOUNDATION AND BACKFILL TO ASTM STANDARDS.	EA 2

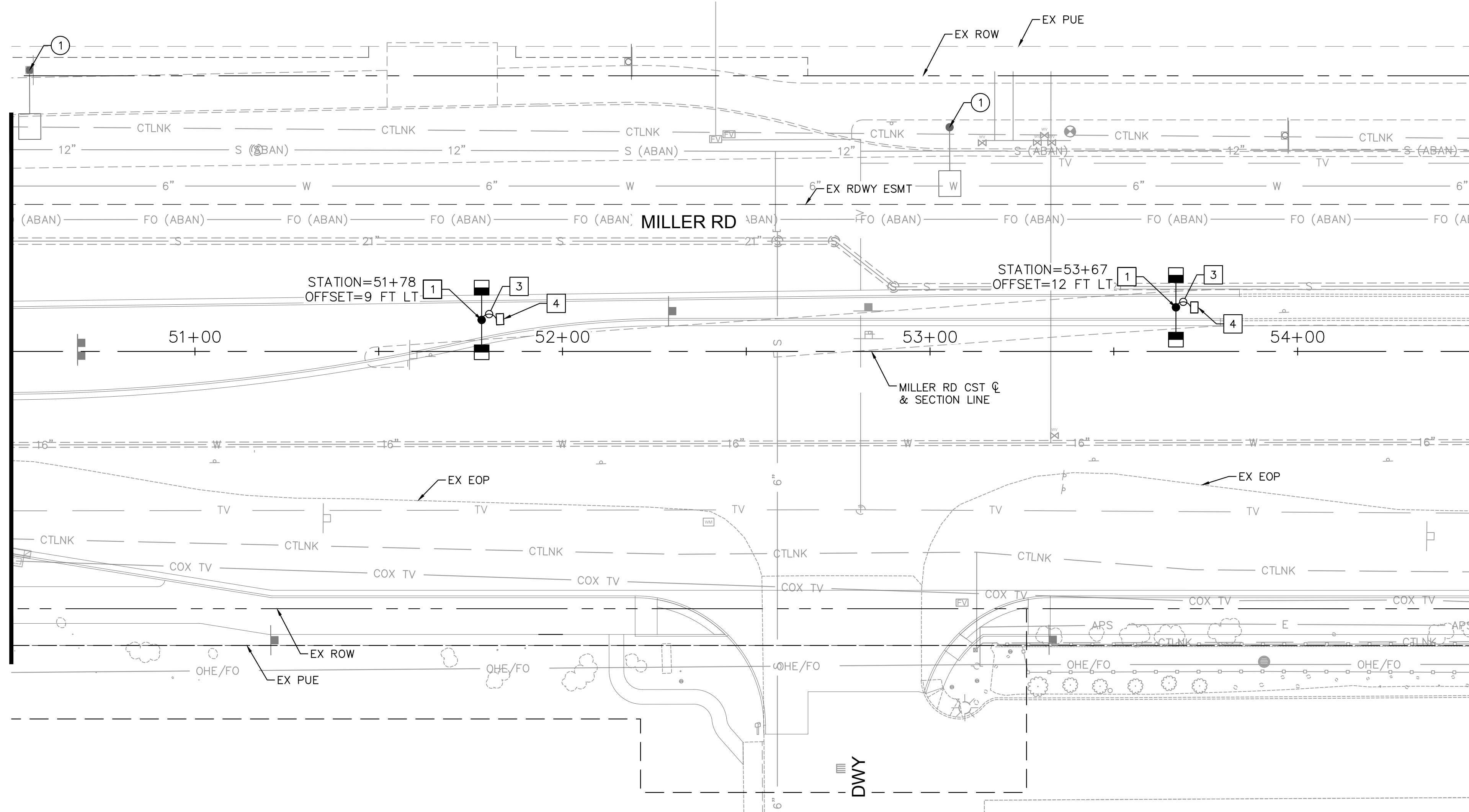


- REVISIONS:
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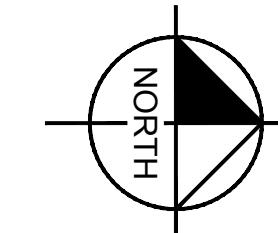
PLAN NAME: MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
LIGHTING PLAN

ENGINEER INFORMATION		SUBMITTAL: FINAL
Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500		
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	TRACKING # PERMIT # ENG\MJRCIP-21-003
AS-BUILT SEAL	DESIGN SEAL 	
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	
PROJECT NUMBER CIP #105260	SHEET NUMBER 100 OF 133	

MATCHLINE STA. 50+50 SEE SHEET 100

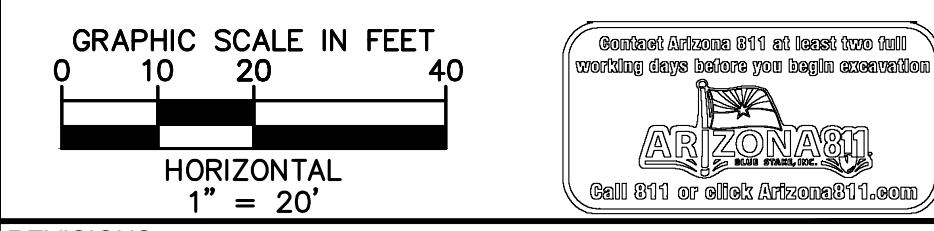


MATCHLINE STA. 54+50 SEE SHEET 102



CONSTRUCTION NOTES		
NO.	DESCRIPTION	UNITY/QTY
1	FURNISH AND INSTALL (2) GE EVOLVE 130W, 17,200 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 2
2	FURNISH AND INSTALL (2) GE EVOLVE 87W, 10,500 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 0
3	FURNISH AND INSTALL (1) 1" CARFLEX LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT WITH (2) #14 AWG CU THWN-2 AND (1) #14 AWG CU BARE BOND CONDUCTORS FROM JUNCTION BOX TO POLE PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	LF 30
4	FURNISH AND INSTALL (1) APS FLUSH MOUNTED JUNCTION BOX PER APS SPECIFICATIONS AND REQUIREMENTS. REFER TO COB STD DETAIL #6 ON SHEET 107 FOR ADDITIONAL INFORMATION.	EA 2

REMOVAL AND RELOCATION NOTES		
NO.	DESCRIPTION	UNITY/QTY
1	REMOVE AND SALVAGE EXISTING STREET LIGHT FIXTURE, MAST ARM, POLE AND ASSOCIATED APPURTENANCE. REMOVE EXISTING FOUNDATION AND BACKFILL TO ASTM STANDARDS.	EA 2



REVISIONS:

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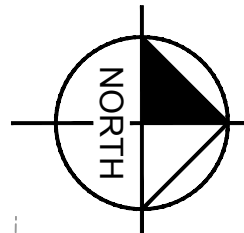
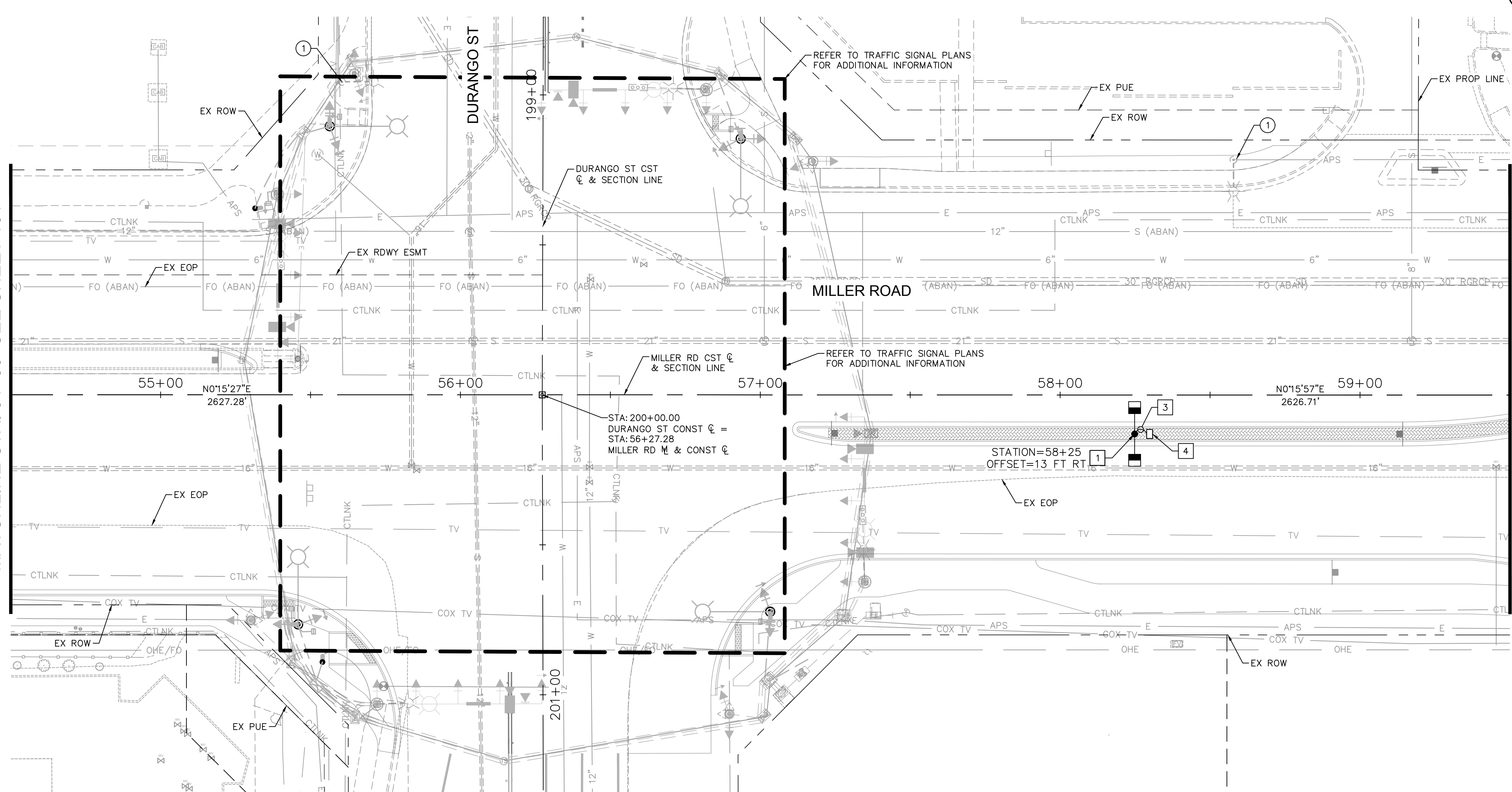
PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 LIGHTING PLAN**

ENGINEER INFORMATION		SUBMITTAL: FINAL
Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500 COB PERMITTING APPROVED SEAL COB ENGINEERING APPROVED SEAL		
AS-BUILT SEAL	DESIGN SEAL Exp. Date 12/31/24	COB PLAN TRACKING # N/A COB PERMIT # ENGMJRCIP-21-003
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	
PROJECT NUMBER CIP #105260	SHEET NUMBER 101 OF 133	

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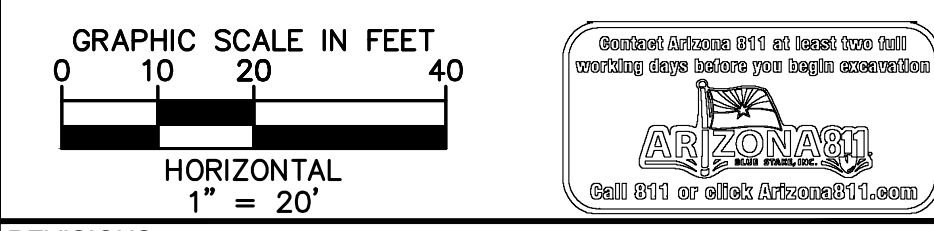
MATCHLINE STA. 54+50 SEE SHEET 101

MATCHLINE STA. 59+50 SEE SHEET 103



CONSTRUCTION NOTES		
NO.	DESCRIPTION	UNITY/QUANTITY
1	FURNISH AND INSTALL (2) GE EVOLVE 130W, 17,200 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 1
2	FURNISH AND INSTALL (2) GE EVOLVE 87W, 10,500 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 0
3	FURNISH AND INSTALL (1) 1" CARFLEX LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT WITH (2) #14 AWG CU THWN-2 AND (1) #14 AWG CU BARE BOND CONDUCTORS FROM JUNCTION BOX TO POLE PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	LF 15
4	FURNISH AND INSTALL (1) APS FLUSH MOUNTED JUNCTION BOX PER APS SPECIFICATIONS AND REQUIREMENTS. REFER TO COB STD DETAIL #6 ON SHEET 107 FOR ADDITIONAL INFORMATION.	EA 1

REMOVAL AND RELOCATION NOTES		
NO.	DESCRIPTION	UNITY/QUANTITY
1	REMOVE AND SALVAGE EXISTING STREET LIGHT FIXTURE, MAST ARM, POLE AND ASSOCIATED APPURTENANCE. REMOVE EXISTING FOUNDATION AND BACKFILL TO ASTM STANDARDS.	EA 2

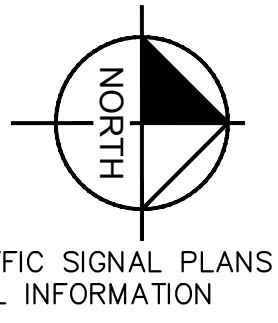
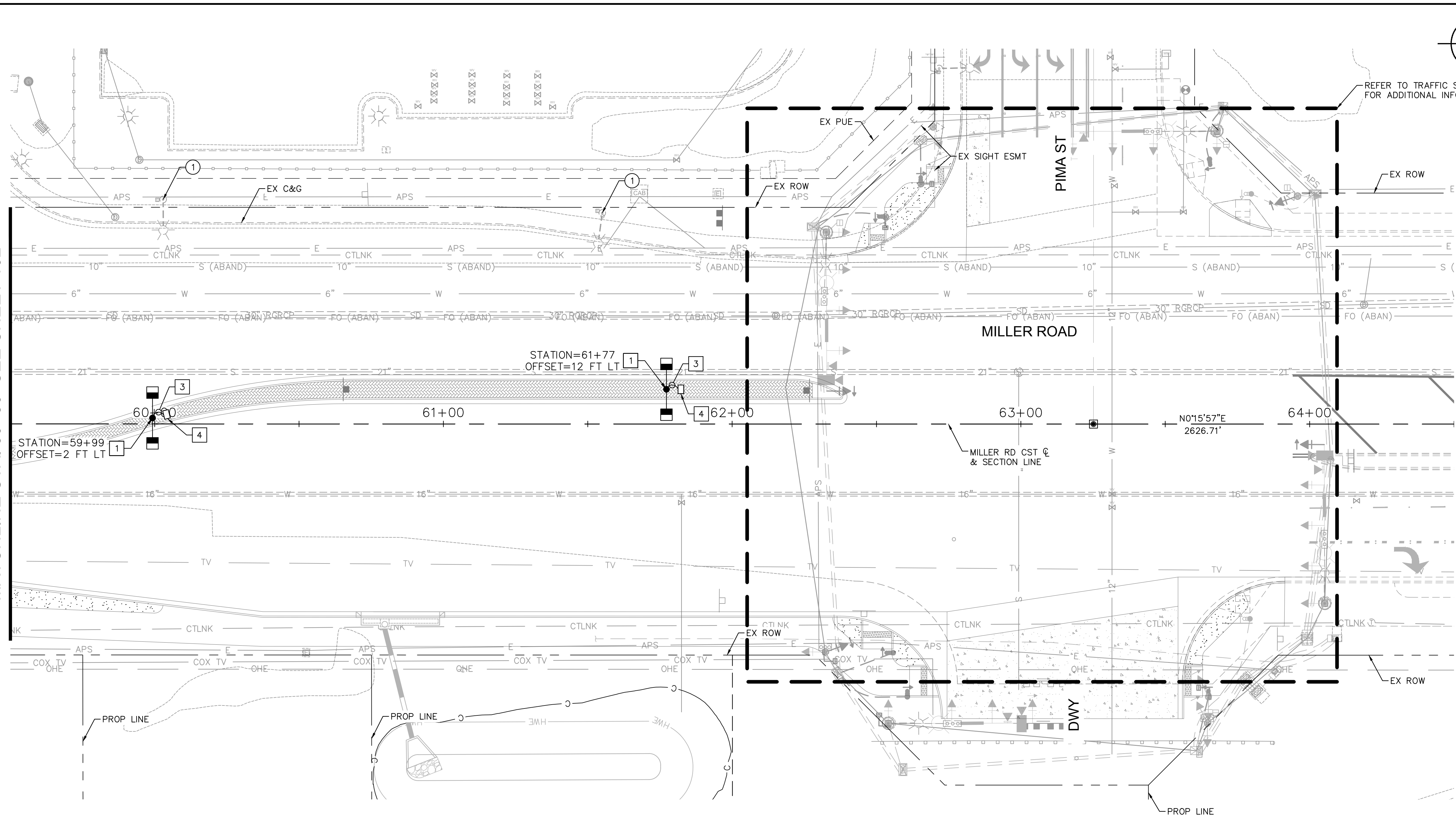


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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS LIGHTING PLAN

ENGINEER INFORMATION		SUBMITTAL: FINAL
Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500 COB PERMITTING APPROVED SEAL COB ENGINEERING APPROVED SEAL		
AS-BUILT SEAL	DESIGN SEAL	TRACKING # PERMIT # ENG/MJ/RC/P-21-003
ORIGINAL PLAN DATE 3/28/2024 PROJECT NUMBER CIP #105260	LATEST REVISION DATE SHEET NUMBER 102 OF 133	

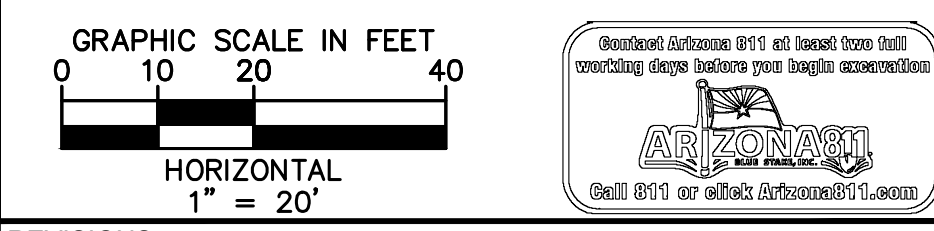
MATCHLINE STA. 59+50 SEE SHEET 102



REFER TO TRAFFIC SIGNAL PLANS FOR ADDITIONAL INFORMATION

CONSTRUCTION NOTES		
NO.	DESCRIPTION	UNITY/QUANTITY
1	FURNISH AND INSTALL (2) GE EVOLVE 130W, 17,200 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 2
2	FURNISH AND INSTALL (2) GE EVOLVE 87W, 10,500 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 0
3	FURNISH AND INSTALL (1) 1" CARFLEX LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT WITH (2) #14 AWG CU THWN-2 AND (1) #14 AWG CU BARE BOND CONDUCTORS FROM JUNCTION BOX TO POLE PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	LF 30
4	FURNISH AND INSTALL (1) APS FLUSH MOUNTED JUNCTION BOX PER APS SPECIFICATIONS AND REQUIREMENTS. REFER TO COB STD DETAIL #6 ON SHEET 107 FOR ADDITIONAL INFORMATION.	EA 2

REMOVAL AND RELOCATION NOTES		
NO.	DESCRIPTION	UNITY/QUANTITY
1	REMOVE AND SALVAGE EXISTING STREET LIGHT FIXTURE, MAST ARM, POLE AND ASSOCIATED APPURTENANCE. REMOVE EXISTING FOUNDATION AND BACKFILL TO ASTM STANDARDS.	EA 2



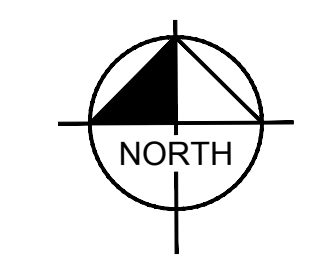
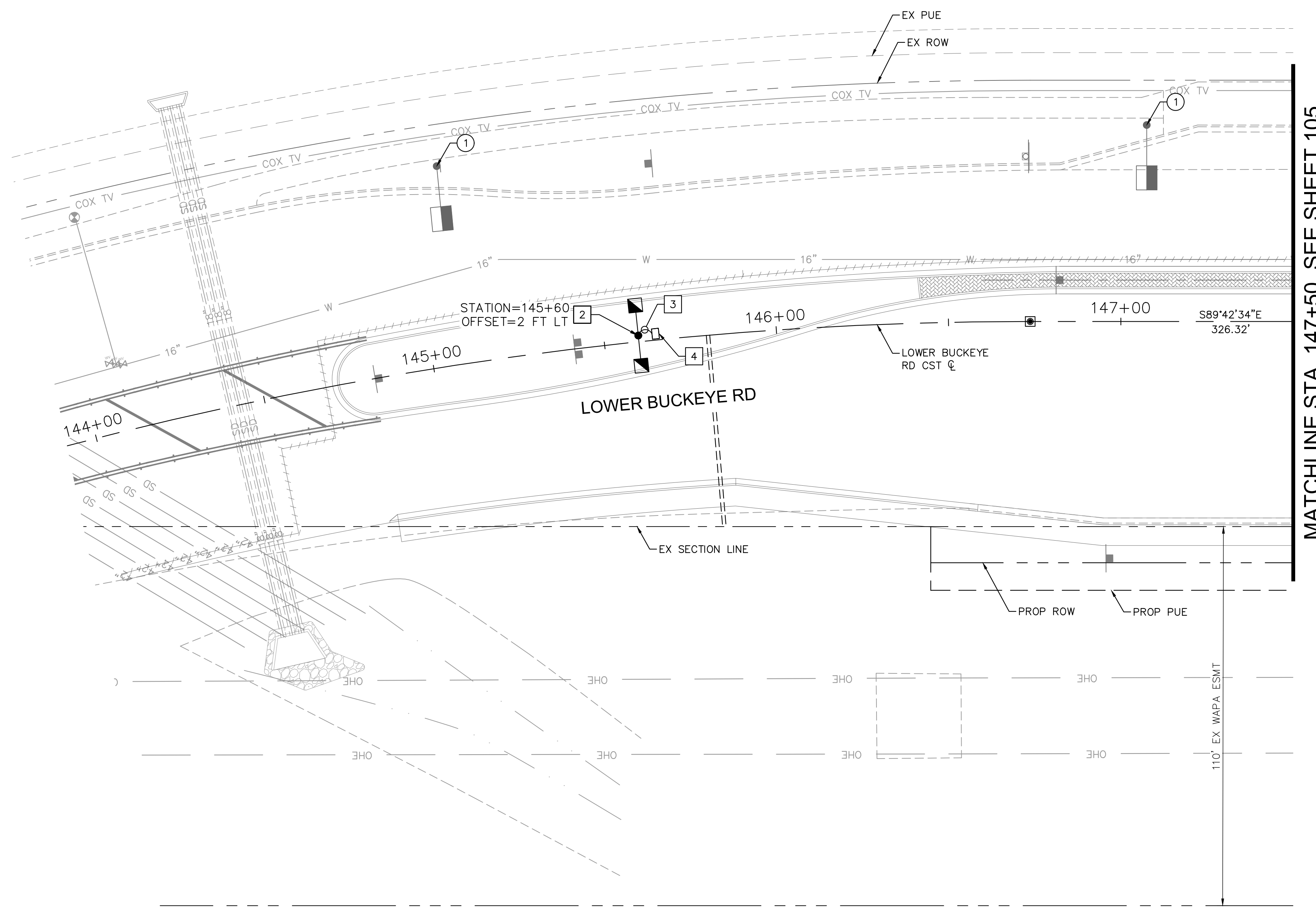
REVISIONS:

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PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 LIGHTING PLAN**

ENGINEER INFORMATION		SUBMITTAL: FINAL
Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500 COB PERMITTING APPROVED SEAL COB ENGINEERING APPROVED SEAL		
AS-BUILT SEAL	DESIGN SEAL 	COB PLAN TRACKING # N/A COB PERMIT # ENGMJRPCP-21-003
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	
PROJECT NUMBER CIP #105260	SHEET NUMBER 103 OF 133	

K:\p_h_r\roadway\191542026-miller rd - lower buckeye to pima final design\Cadd\12-sheets\Lighting\SL12.dwg | 3/27/2024 | FLORIO, GABE



MATCHLINE STA. 147+50 SEE SHEET 105

CONSTRUCTION NOTES		
NO.	DESCRIPTION	UNITY/QTY
1	FURNISH AND INSTALL (2) GE EVOLVE 130W, 17,200 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 0
2	FURNISH AND INSTALL (2) GE EVOLVE 87W, 10,500 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 1
3	FURNISH AND INSTALL (1) 1" CARFLEX LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT WITH (2) #14 AWG CU THWN-2 AND (1) #14 AWG CU BARE BOND CONDUCTORS FROM JUNCTION BOX TO POLE PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	LF 15
4	FURNISH AND INSTALL (1) APS FLUSH MOUNTED JUNCTION BOX PER APS SPECIFICATIONS AND REQUIREMENTS. REFER TO COB STD DETAIL #6 ON SHEET 107 FOR ADDITIONAL INFORMATION.	EA 1

REMOVAL AND RELOCATION NOTES		
NO.	DESCRIPTION	UNITY/QTY
1	REMOVE AND SALVAGE EXISTING STREET LIGHT FIXTURE, MAST ARM, POLE AND ASSOCIATED APPURTENANCE. REMOVE EXISTING FOUNDATION AND BACKFILL TO ASTM STANDARDS.	EA 2

GRAPHIC SCALE IN FEET
 0 10 20 40
 HORIZONTAL
 1" = 20'

REVISIONS:

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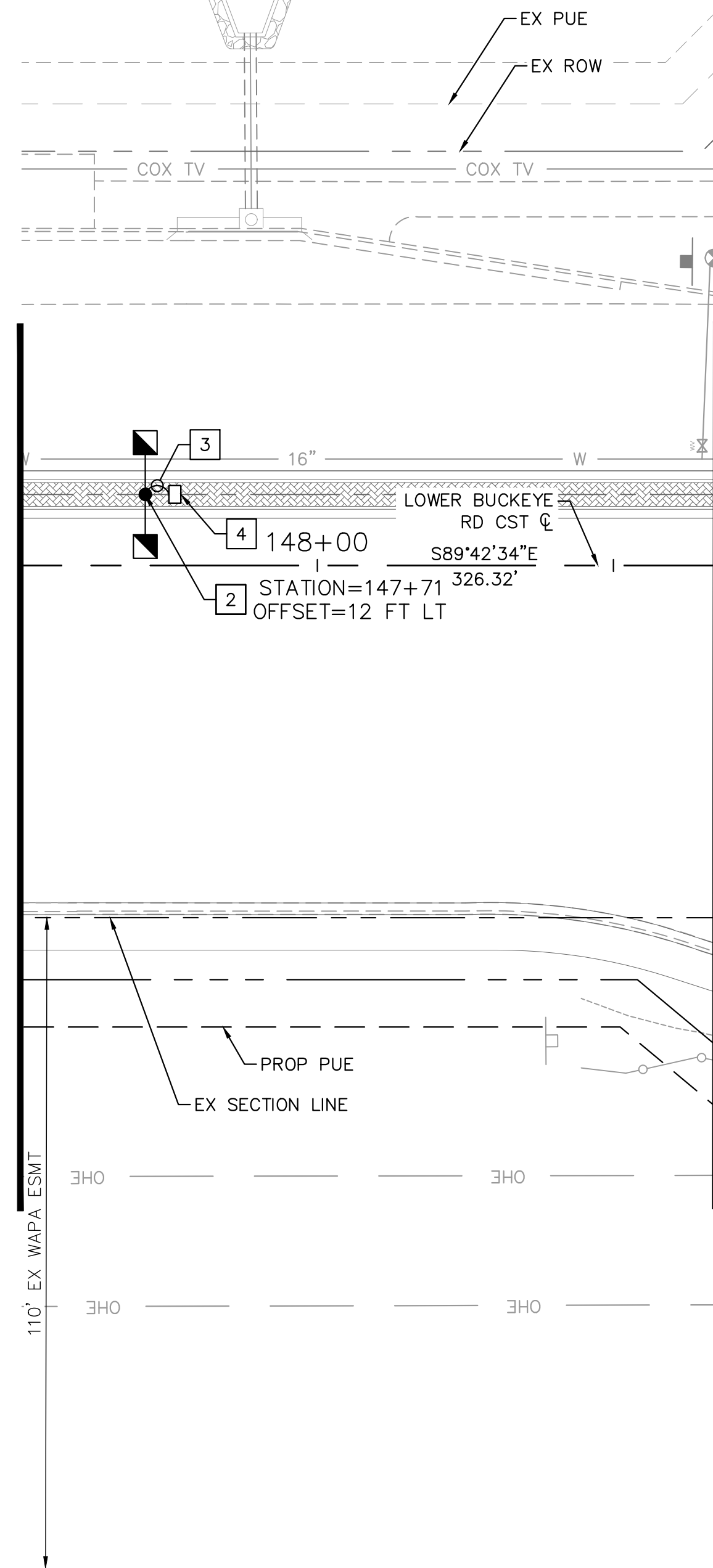
PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 LIGHTING PLAN**

ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	FINAL
AS-BUILT SEAL	DESIGN SEAL 	
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	COB PLAN TRACKING #
PROJECT NUMBER CIP #105260	SHEET NUMBER 104 OF 133	COB PERMIT # ENGMJRCIP-21-003

K:\pjh_roads\191542026-miller rd - lower buckeye to pima final design\Cadd\12-sheets\Lighting\SL10.dwg | 3/27/2024 | FLORIO, GABE

MATCHLINE STA. 147+50 SEE SHEET 104

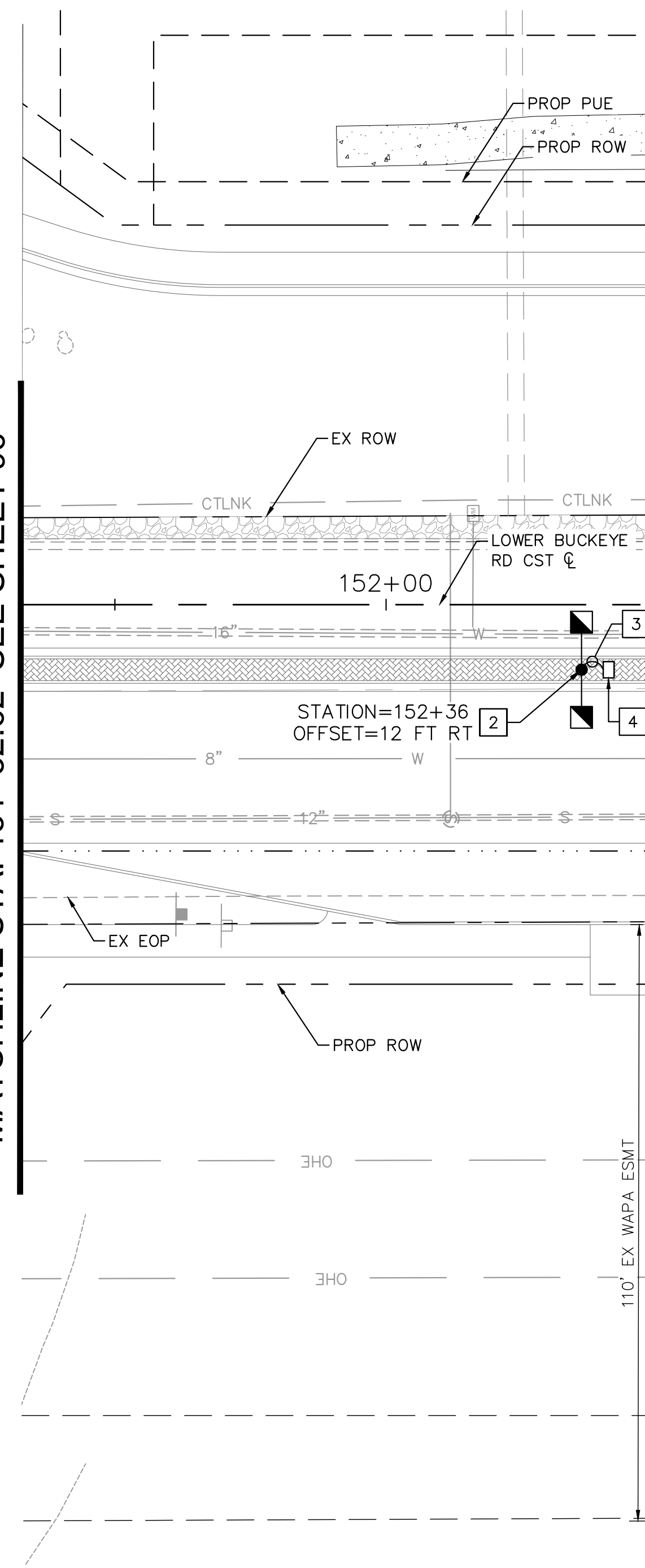


MATCHLINE STA. 148+67.36 SEE SHEET 96

MILLER RD

LOWER BUCKEYE RD

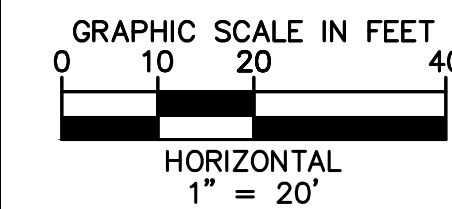
MATCHLINE STA. 151+32.62 SEE SHEET 96



MATCHLINE STA. 152+50 SEE SHEET 106

CONSTRUCTION NOTES		
NO.	DESCRIPTION	UNITY/QTY
1	FURNISH AND INSTALL (2) GE EVOLVE 130W, 17,200 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 0
2	FURNISH AND INSTALL (2) GE EVOLVE 87W, 10,500 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 2
3	FURNISH AND INSTALL (1) 1" CARFLEX LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT WITH (2) #14 AWG CU THWN-2 AND (1) #14 AWG CU BARE BOND CONDUCTORS FROM JUNCTION BOX TO POLE PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	LF 30
4	FURNISH AND INSTALL (1) APS FLUSH MOUNTED JUNCTION BOX PER APS SPECIFICATIONS AND REQUIREMENTS. REFER TO COB STD DETAIL #6 ON SHEET 107 FOR ADDITIONAL INFORMATION.	EA 2

REMOVAL AND RELOCATION NOTES		
NO.	DESCRIPTION	UNITY/QTY
1	REMOVE AND SALVAGE EXISTING STREET LIGHT FIXTURE, MAST ARM, POLE AND ASSOCIATED APPURTENANCE. REMOVE EXISTING FOUNDATION AND BACKFILL TO ASTM STANDARDS.	EA 0



REVISIONS:

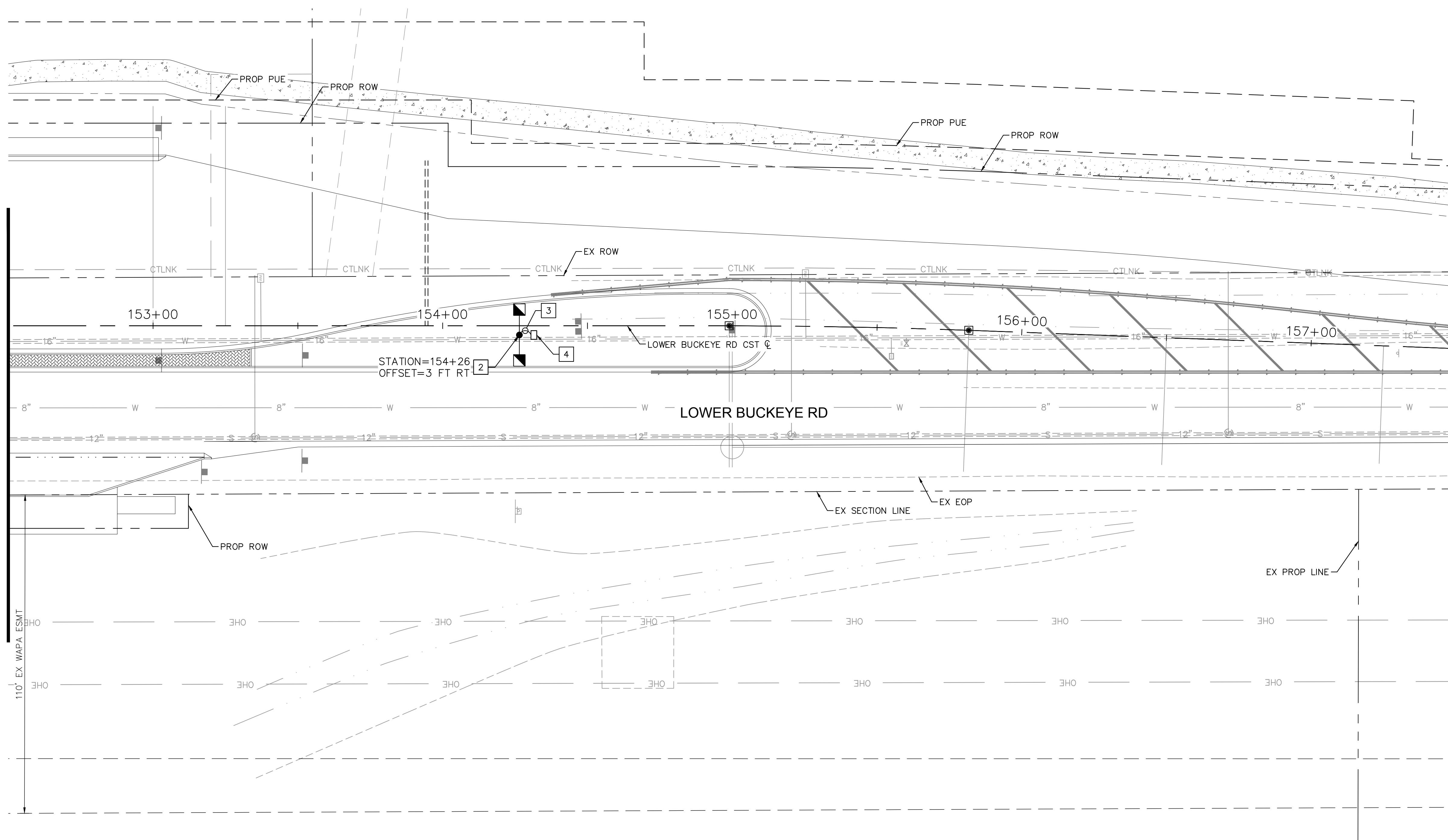
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PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
LIGHTING PLAN

ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500		SUBMITTAL: FINAL
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	
AS-BUILT SEAL	DESIGN SEAL 	COB PLAN TRACKING # N/A COB PERMIT # ENGMJRCIP-21-003
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	
PROJECT NUMBER CIP #105260	SHEET NUMBER 105 OF 133	

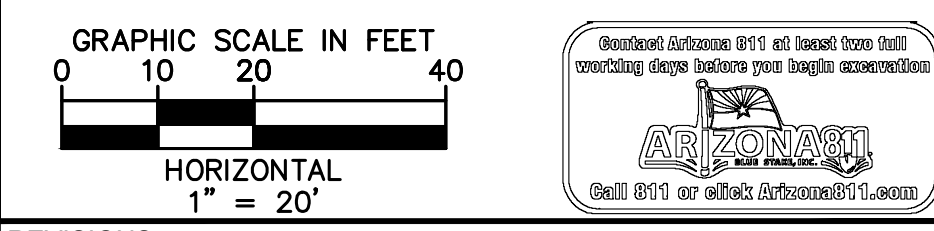
K:\pjh_roadway\191542026-miller rd - lower buckeye to pima final design\Cadd\12-sheets\Lighting\SL1.dwg | 3/27/2024 | FLORIO, GABE

MATCHLINE STA. 152+50 SEE SHEET 105



CONSTRUCTION NOTES		
NO.	DESCRIPTION	UNITY/QTY
1	FURNISH AND INSTALL (2) GE EVOLVE 130W, 17,200 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 0
2	FURNISH AND INSTALL (2) GE EVOLVE 87W, 10,500 LUMENS LED FIXTURES ON NEW STANDARD DARK BRONZE SQUARE POLE AND FOUNDATION (COB STD DTL #1) WITH DUAL 8' MAST ARMS (COB STD DTL #4). ALL GROUNDING WIRING, FUSING, ETC. PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	EA 1
3	FURNISH AND INSTALL (1) 1" CARFLEX LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT WITH (2) #14 AWG CU THWN-2 AND (1) #14 AWG CU BARE BOND CONDUCTORS FROM JUNCTION BOX TO POLE PER COB STD DTL #6. REFER TO SHEET 107 FOR COB STANDARD DETAILS.	LF 15
4	FURNISH AND INSTALL (1) APS FLUSH MOUNTED JUNCTION BOX PER APS SPECIFICATIONS AND REQUIREMENTS. REFER TO COB STD DETAIL #6 ON SHEET 107 FOR ADDITIONAL INFORMATION.	EA 1

REMOVAL AND RELOCATION NOTES		
NO.	DESCRIPTION	UNITY/QTY
1	REMOVE AND SALVAGE EXISTING STREET LIGHT FIXTURE, MAST ARM, POLE AND ASSOCIATED APPURTENANCE. REMOVE EXISTING FOUNDATION AND BACKFILL TO ASTM STANDARDS.	EA 0



- REVISIONS:
- 1
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PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 LIGHTING PLAN**

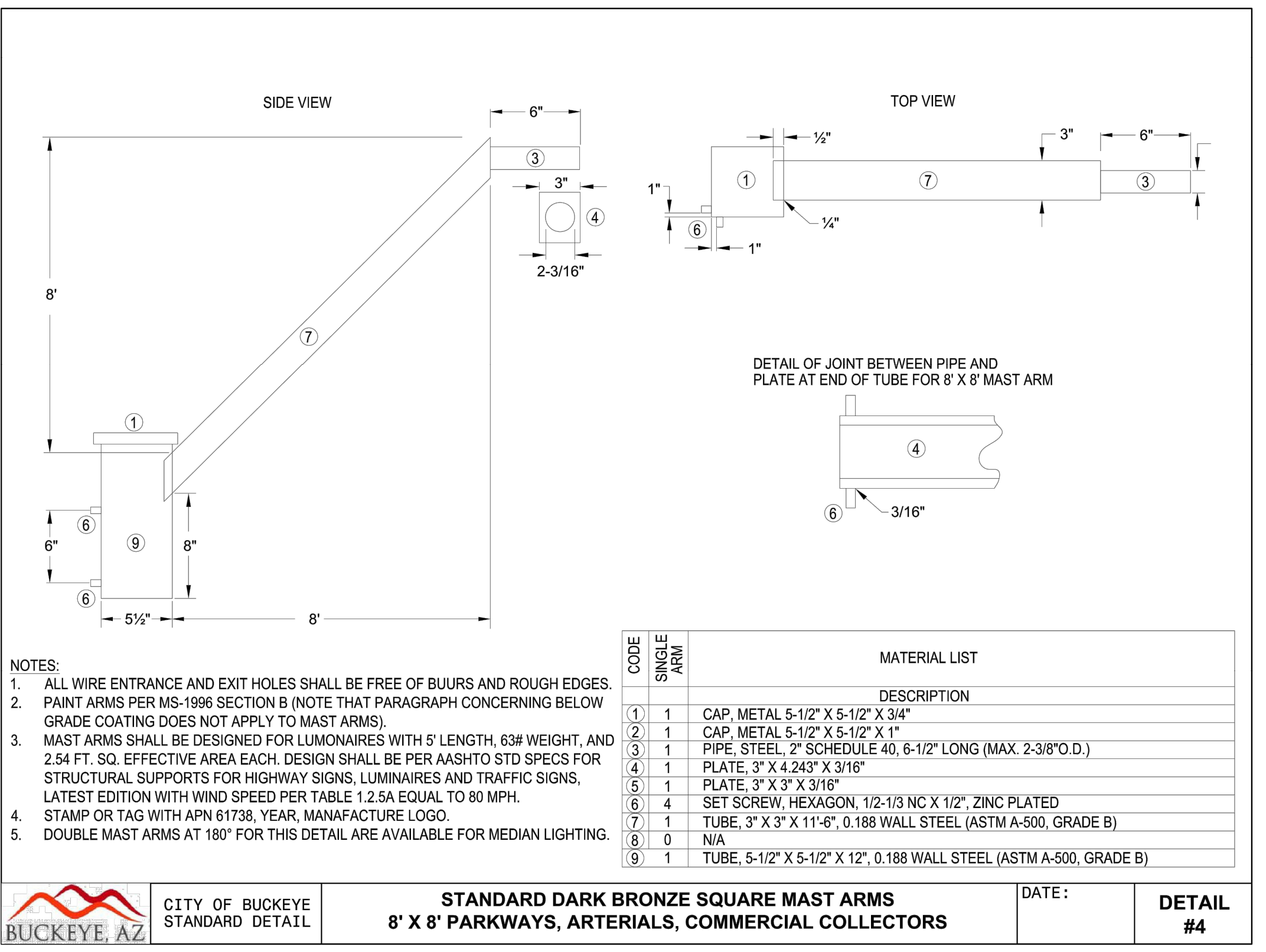
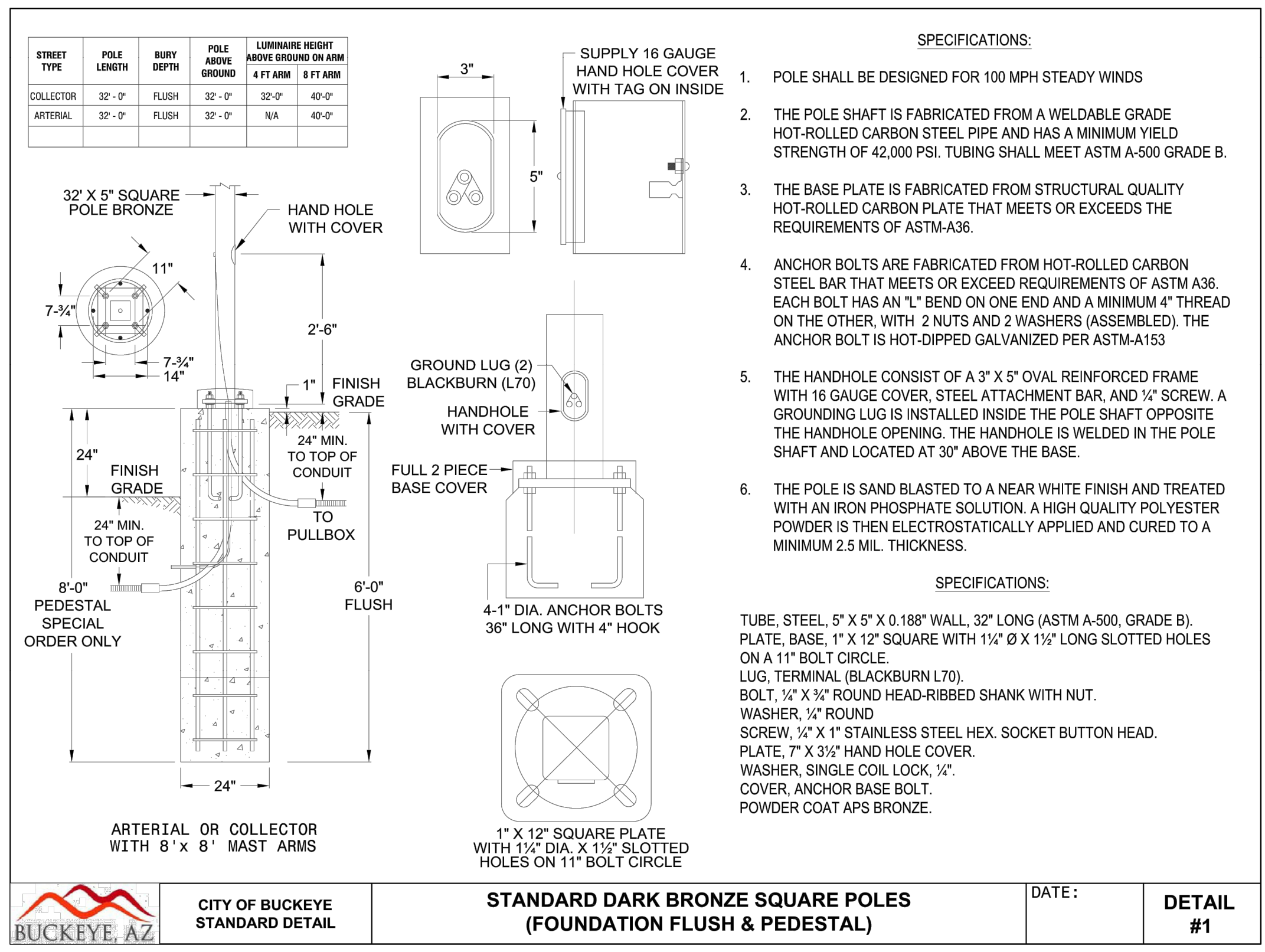
ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
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AS-BUILT SEAL	DESIGN SEAL Exp. Date: 12/31/24
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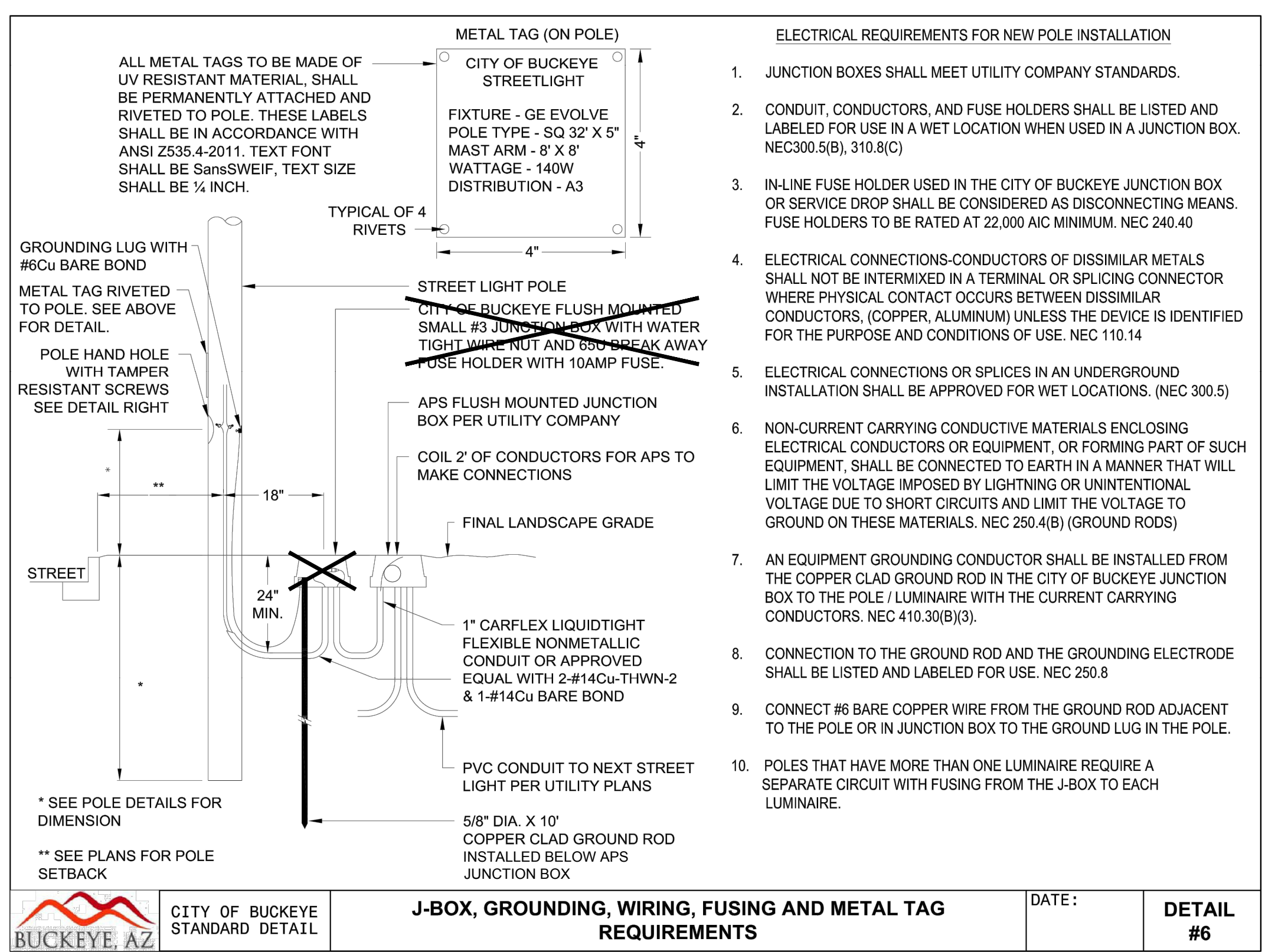
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 106 OF 133

SUBMITTAL: **FINAL**
 COB PLAN TRACKING #
 COB PERMIT #
 ENGMJRCIP-21-003



POLE AND MAST ARM
CITY OF BUCKEYE STANDARD DETAILS
 SCALE: N.T.S.

STANDARD DARK BRONZE SQUARE MAST ARMS
8' X 8' PARKWAYS, ARTERIALS, COMMERCIAL COLLECTORS
 SCALE: N.T.S.



J-BOX, GROUNDING, WIRING, FUSING AND METAL TAG REQUIREMENTS
 CITY OF BUCKEYE STANDARD DETAILS
 SCALE: N.T.S.



REVISIONS:

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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS LIGHTING DETAILS

ENGINEER INFORMATION: **Kimley»Horn**
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL: [Signature]

COB ENGINEERING APPROVED SEAL: [Signature]

AS-BUILT SEAL: [Signature]

DESIGN SEAL: [Signature]

ORIGINAL PLAN DATE: 3/28/2024

LATEST REVISION DATE: [Blank]

PROJECT NUMBER: CIP #105260

SHEET NUMBER: 107 OF 133

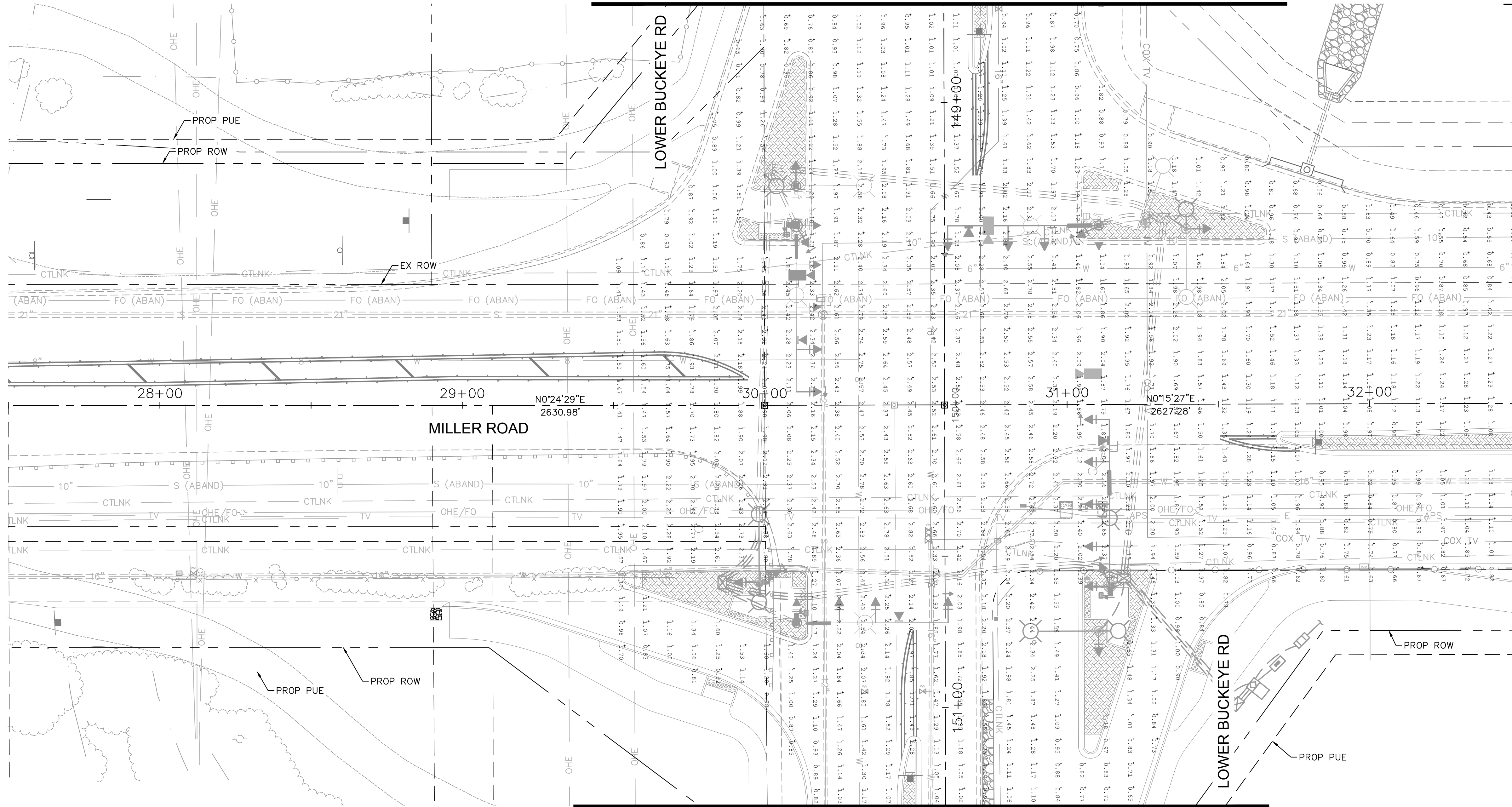
COB PLAN TRACKING #

COB PERMIT #

ENG/MJRCIP-21-003

K:\pba_routewo\191542026-miller rd - lower buckeye to pima final design\Cadd\12-sheets\Lighting\SL13.dwg | 3/27/2024 | FLORIO, GABE

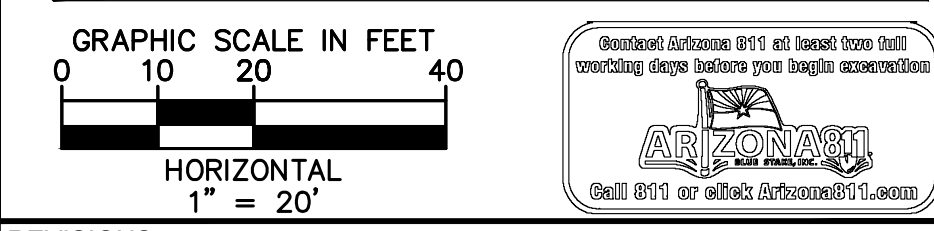
MATCHLINE STA. 148+67.36 SEE SHEET 117



MATCHLINE STA. 151+32.62 SEE SHEET 117

DESIGN CRITERIA	
MAJOR ARTERIAL ROAD	
ILLUMINANCE (Fc)	AVERAGE = 0.9 TO 1.2
	AVG/MIN = 3.0
MAJOR COLLECTOR	
ILLUMINANCE (Fc)	AVERAGE = 0.6 TO 0.8
	AVG/MIN = 4.0
INTERSECTION MAJOR ARTERIAL/ MAJOR COLLECTOR	
ILLUMINANCE (Fc)	AVERAGE >= 1.5
	AVG/MIN = 3.0
PER CITY OF BUCKEYE ENGINEERING DESIGN STANDARDS 2018 EDITION SECTION 7-2 TABLE 1.	

CALCULATION SUMMARY	
MAJOR ARTERIAL ROAD MILLER RD	
ILLUMINANCE (Fc)	AVERAGE = 1.17
	AVG/MIN = 2.93
MAJOR COLLECTOR ROAD LOWER BUCKEYE RD	
ILLUMINANCE (Fc)	AVERAGE = 0.69
	AVG/MIN = 3.00
INTERSECTION MILLER & LOWER BUCKEYE	
ILLUMINANCE (Fc)	AVERAGE = 1.83
	AVG/MIN = 2.61

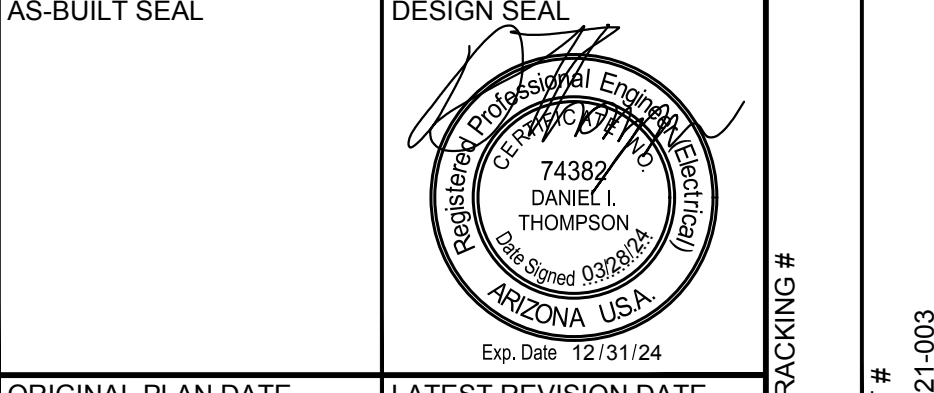


REVISIONS:	
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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS PHOTOMETRIC PLAN

ENGINEER INFORMATION: **Kimley»Horn**
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	SUBMITTAL: FINAL
AS-BUILT SEAL	DESIGN SEAL	



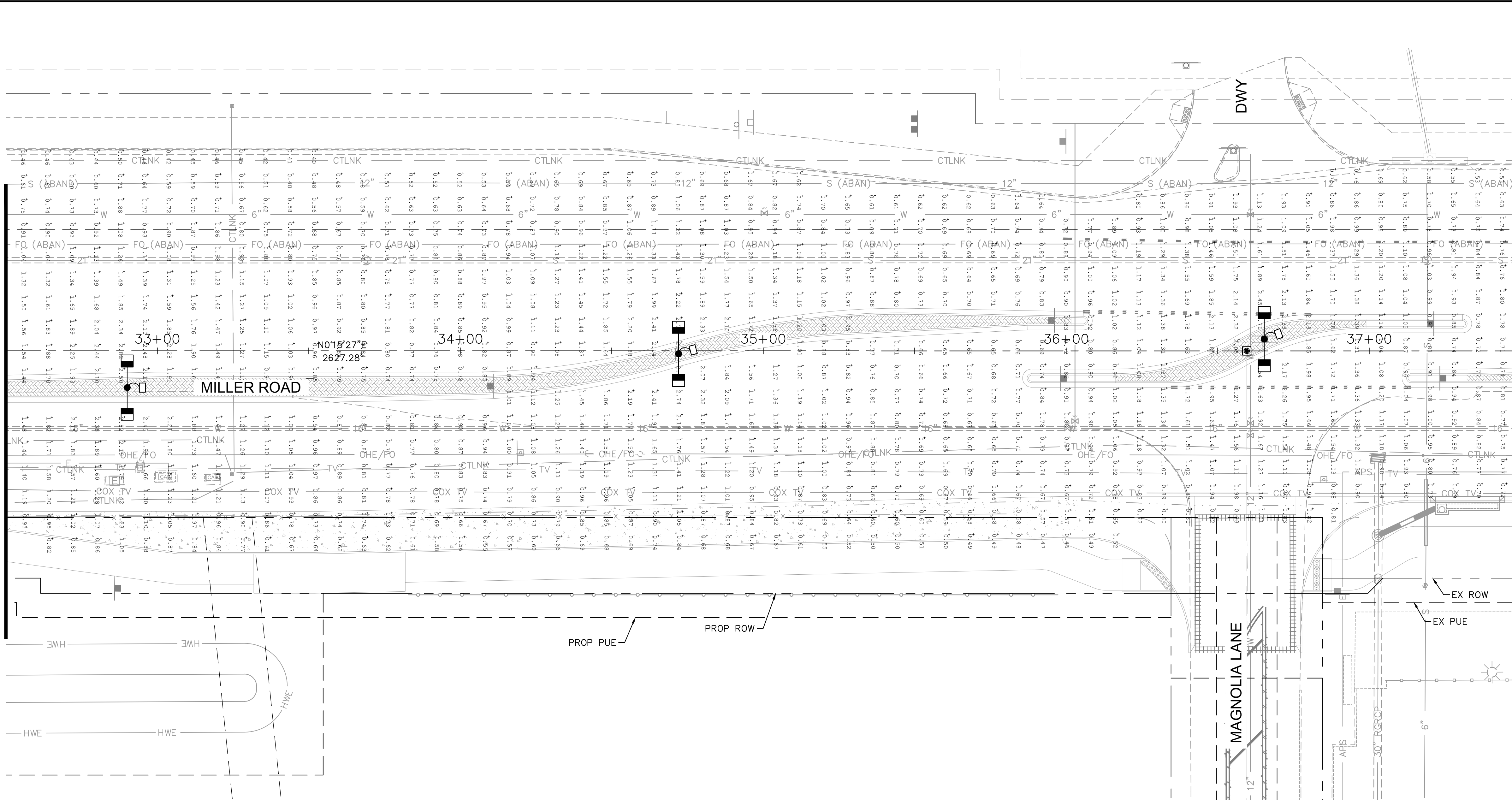
ORIGINAL PLAN DATE: 3/28/2024	LATEST REVISION DATE:
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 108 OF 133

*ALL CALCULATION POINTS SPACED AT 8' X 8'
PER COB DESIGN STANDARDS
**ALL FIXTURES MODELED WITH 0.9 LIGHT LOSS FACTOR PER COB DESIGN STANDARDS

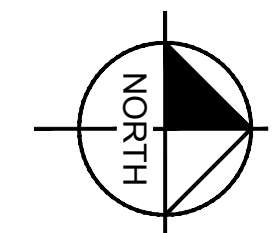
LUMINAIRE EQUIPMENT LIST

KEY NO.	SYMBOL	STREET TYPE	OFFSET BEHIND B/C	QUANTITY	POLE HEIGHT		MAST ARM SIZE	MOUNTING HEIGHT	LUMENS	WATTAGE	C.C.T.	I.E.S DISTRIBUTION	VOLTAGE	TYPE	COLOR	L.L.F.	LED STREETLIGHT SPEC NUMBER
					POLE HEIGHT	FOUNDATION											
1		MAJOR ARTERIAL	CENTER OF MEDIAN	20	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 17,200	(2) 130W	3000	TYPE II	PER APS	LED	DARK BRONZE	0.9	ERL2018C530ADKBZGLR
2		MAJOR COLLECTOR	6' BOC OR 2' BOW	4	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 10,500	(2) 87W	3000	TYPE III	PER APS	LED	DARK BRONZE	0.9	ERL1011C530ADKBZGLR

MATCHLINE STA. 32+50 SEE SHEET 108

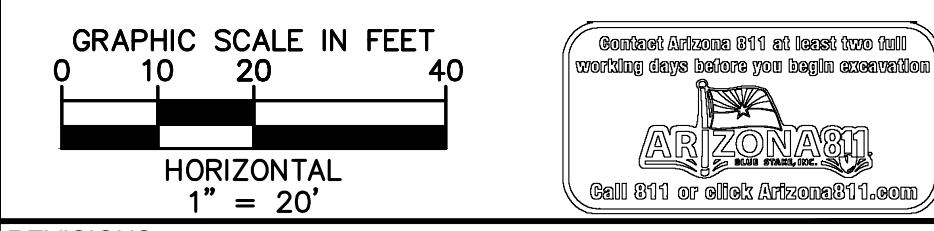


MATCHLINE STA. 37+50 SEE SHEET 110



DESIGN CRITERIA	
MAJOR ARTERIAL ROAD	
ILLUMINANCE (Fc)	
AVERAGE = 0.9 TO 1.2	
AVG/MIN = 3.0	
PER CITY OF BUCKEYE ENGINEERING DESIGN STANDARDS 2018 EDITION SECTION 7-2 TABLE 1.	

CALCULATION SUMMARY	
MAJOR ARTERIAL ROAD	
MILLER RD	
ILLUMINANCE (Fc)	
AVERAGE = 1.17	AVG/MIN = 2.93



REVISIONS:	
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PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PHOTOMETRIC PLAN

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
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AS-BUILT SEAL	DESIGN SEAL
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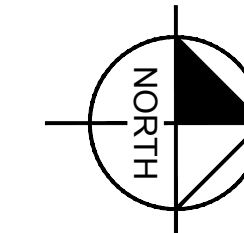
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 109 OF 133

SUBMITTAL: **FINAL**
COB PLAN TRACKING #
N/A
COB PERMIT #
ENGMJRCIP-21-003

LUMINAIRE EQUIPMENT LIST

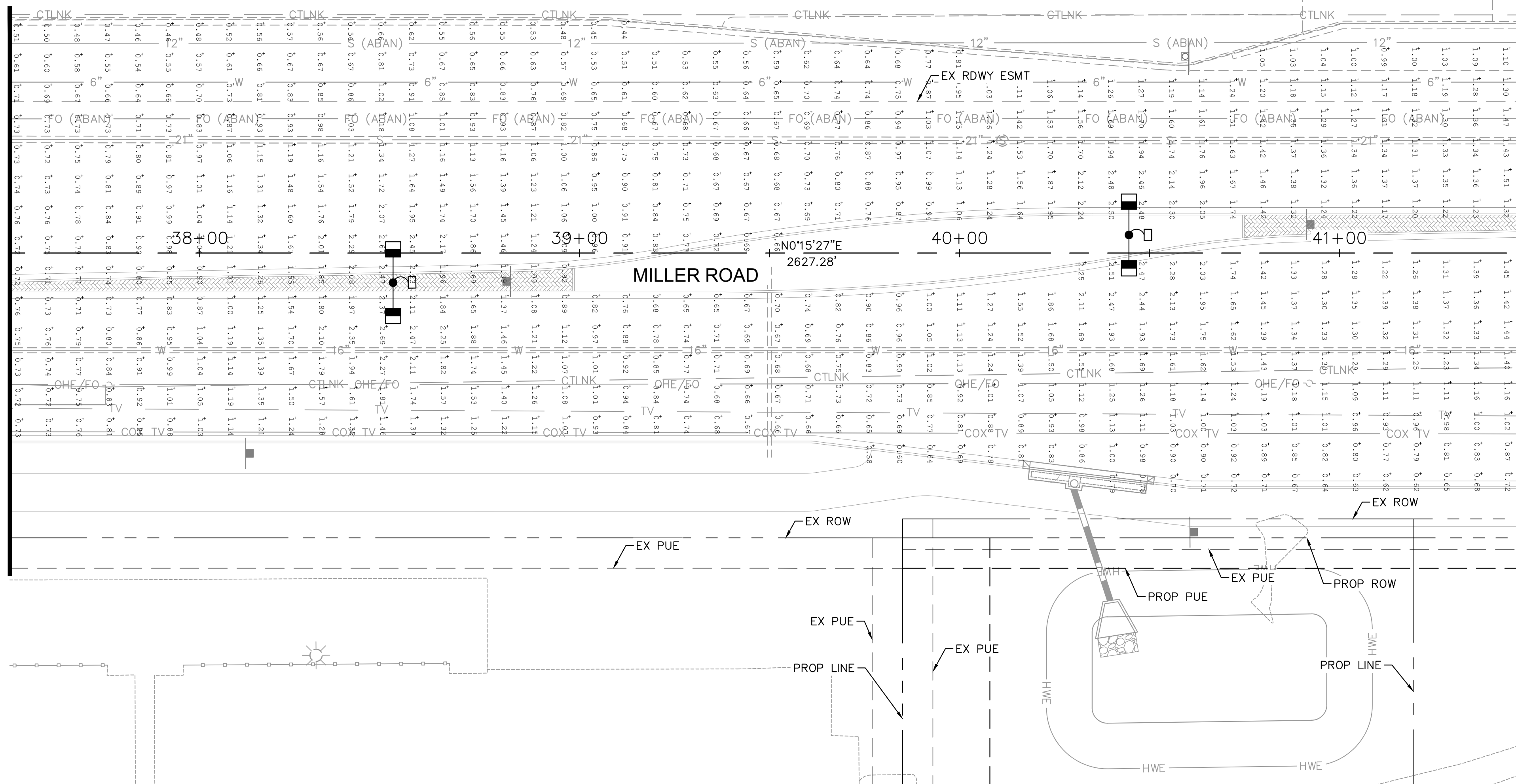
KEY NO.	SYMBOL	STREET TYPE	OFFSET BEHIND B/C	QUANTITY	POLE HEIGHT		MAST ARM SIZE	MOUNTING HEIGHT	LUMENS	WATTAGE	C.C.T.	I.E.S DISTRIBUTION	VOLTAGE	TYPE	COLOR	L.L.F.	LED STREETLIGHT SPEC NUMBER
					POLE HEIGHT	FOUNDATION											
1		MAJOR ARTERIAL	CENTER OF MEDIAN	20	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 17,200	(2) 130W	3000	TYPE II	PER APS	LED	DARK BRONZE	0.9	ERL2018C530ADKBZGLR
2		MAJOR COLLECTOR	6' BOC OR 2' BOW	4	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 10,500	(2) 87W	3000	TYPE III	PER APS	LED	DARK BRONZE	0.9	ERL1011C530ADKBZGLR

*ALL CALCULATION POINTS SPACED AT 8' X 8'
PER COB DESIGN STANDARDS
*ALL FIXTURES MODELED WITH 0.9 LIGHT LOSS FACTOR PER COB DESIGN STANDARDS



MATCHLINE STA. 37+50 SEE SHEET 109

MATCHLINE STA. 41+50 SEE SHEET 111



LUMINAIRE EQUIPMENT LIST

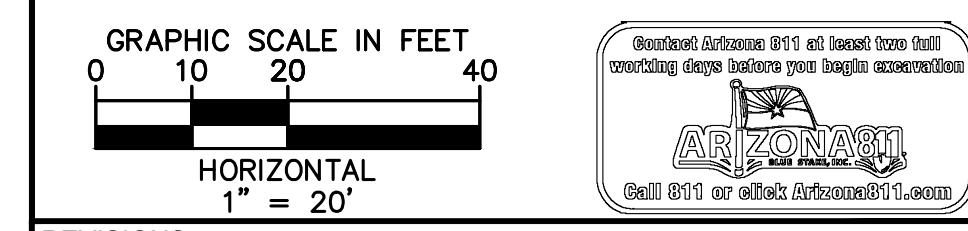
KEY NO.	SYMBOL	STREET TYPE	OFFSET BEHIND B/C	QUANTITY	POLE HEIGHT		MAST ARM SIZE	MOUNTING HEIGHT	LUMENS	WATTAGE	C.C.T.	I.E.S DISTRIBUTION	VOLTAGE	TYPE	COLOR	L.L.F.	LED STREETLIGHT SPEC NUMBER
					POLE HEIGHT	FOUNDATION											
1		MAJOR ARTERIAL	CENTER OF MEDIAN	20	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 17,200	(2) 130W	3000	TYPE II	PER APS	LED	DARK BRONZE	0.9	ERL2018C530ADKBZGLR
2		MAJOR COLLECTOR	6' BOC OR 2' BOW	4	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 10,500	(2) 87W	3000	TYPE III	PER APS	LED	DARK BRONZE	0.9	ERL1011C530ADKBZGLR

DESIGN CRITERIA

MAJOR ARTERIAL ROAD
ILLUMINANCE (Fc)
AVERAGE = 0.9 TO 1.2
AVG/MIN = 3.0
PER CITY OF BUCKEYE ENGINEERING DESIGN STANDARDS 2018 EDITION SECTION 7-2 TABLE 1.

CALCULATION SUMMARY

MAJOR ARTERIAL ROAD
MILLER RD
ILLUMINANCE (Fc)
AVERAGE = 1.17 AVG/MIN = 2.93



REVISIONS:

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PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PHOTOMETRIC PLAN

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
------------------------------	-------------------------------

AS-BUILT SEAL

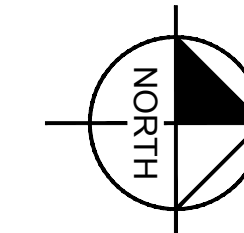
DESIGN SEAL

ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 110 OF 133

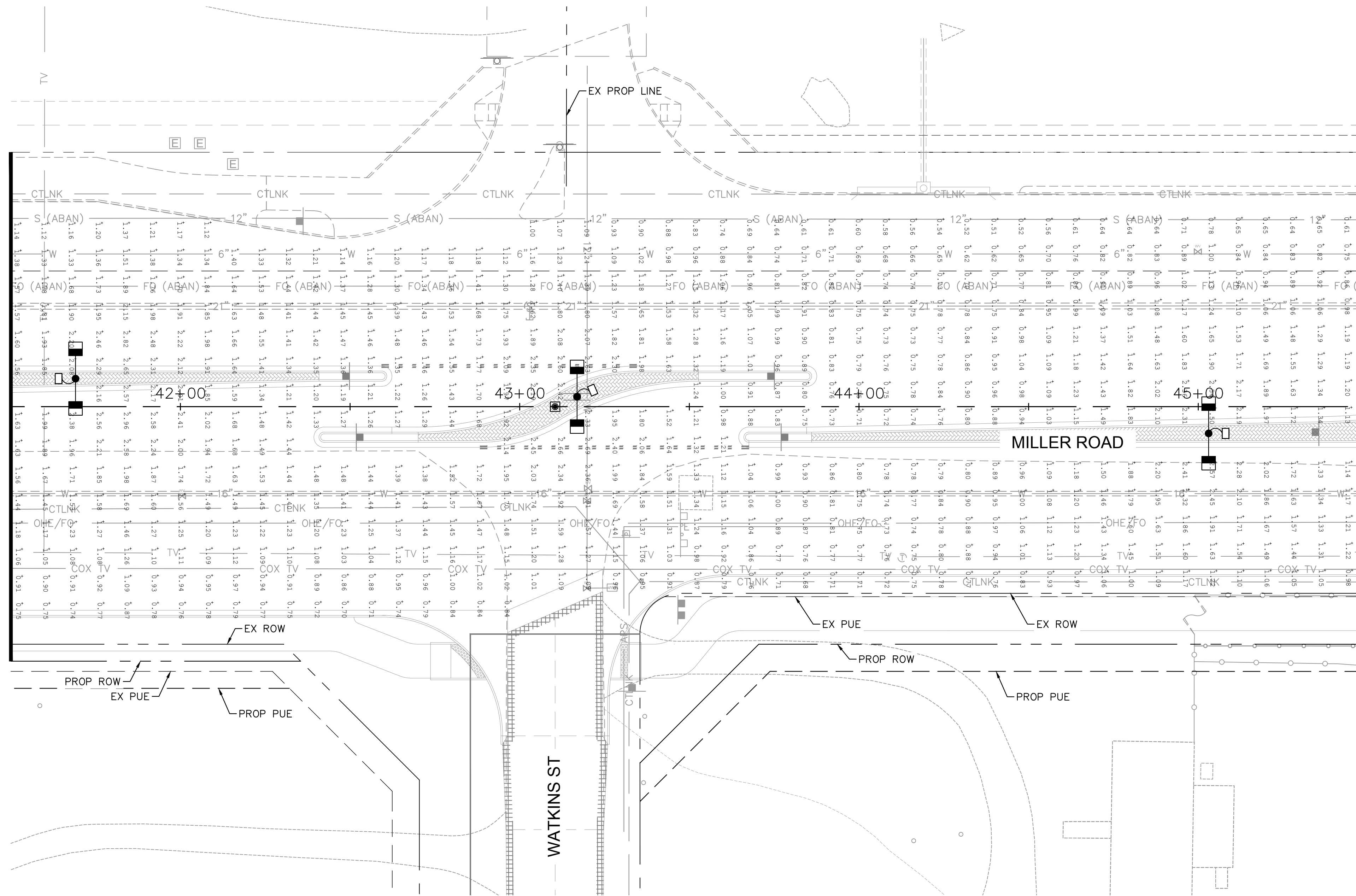
*ALL CALCULATION POINTS SPACED AT 8' X 8'
PER COB DESIGN STANDARDS
**ALL FIXTURES MODELED WITH 0.9 LIGHT LOSS FACTOR PER COB DESIGN STANDARDS

SUBMITTAL:
FINAL

COB PLAN TRACKING #
N/A
COB PERMIT #
ENGMJRCIP-21-003



MATCHLINE STA. 41+50 SEE SHEET 110



MATCHLINE STA. 45+50 SEE SHEET 112

DESIGN CRITERIA

MARJOR ARTERIAL ROAD
ILLUMINANCE (Fc)
AVERAGE = 0.9 TO 1.2
AVG/MIN = 3.0

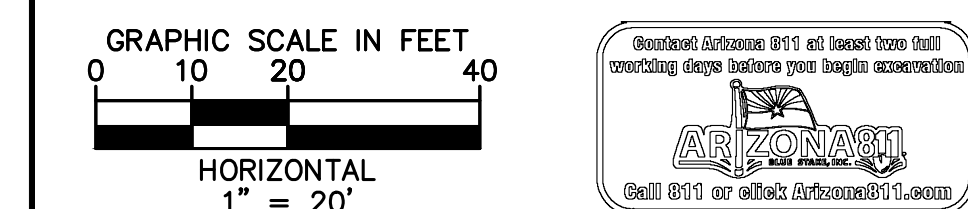
INTERSECTION MAJOR ARTERIAL/LOCAL
ILLUMINANCE (Fc)
AVERAGE >= 1.4
AVG/MIN = 3.0

PER CITY OF BUCKEYE ENGINEERING DESIGN STANDARDS 2018 EDITION SECTION 7-2 TABLE 1.

CALCULATION SUMMARY

MAJOR ARTERIAL ROAD MILLER RD
ILLUMINANCE (Fc)
AVERAGE = 1.17 AVG/MIN = 2.93

INTERSECTION MILLER & WATKINS
ILLUMINANCE (Fc)
AVERAGE = 1.50 AVG/MIN = 1.90



REVISIONS:

1	
2	
3	

PLAN NAME: MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PHOTOMETRIC PLAN

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
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AS-BUILT SEAL	DESIGN SEAL
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ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 111 OF 133

SUBMITTAL: **FINAL**

COB PLAN TRACKING #

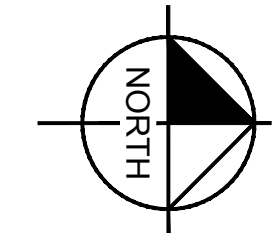
COB PERMIT #

ENG/MJRCIP-21-003

LUMINAIRE EQUIPMENT LIST

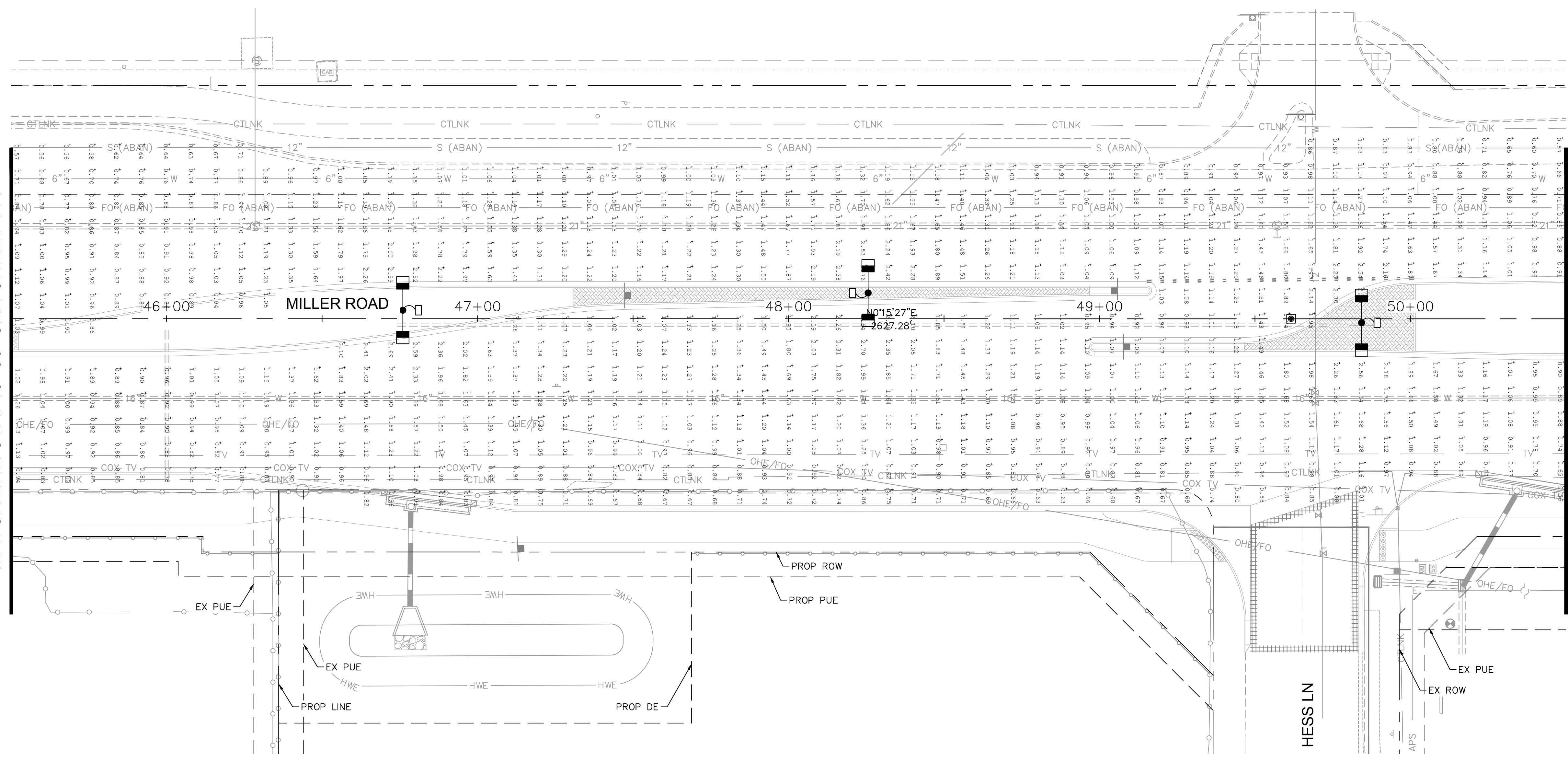
KEY NO.	SYMBOL	STREET TYPE	OFFSET BEHIND B/C	QUANTITY	POLE HEIGHT		MAST ARM SIZE	MOUNTING HEIGHT	LUMINAIRE				LED STREETLIGHT SPEC NUMBER				
					POLE HEIGHT	FOUNDATION			LUMENS	WATTAGE	C.C.T.	I.E.S DISTRIBUTION		VOLTAGE	TYPE	COLOR	LLF.
1		MAJOR ARTERIAL	CENTER OF MEDIAN	20	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 17,200	(2) 130W	3000	TYPE II	PER APS	LED	DARK BRONZE	0.9	ERL2018C530ADKBZGLR
2		MAJOR COLLECTOR	6' BOC OR 2' BOW	4	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 10,500	(2) 87W	3000	TYPE III	PER APS	LED	DARK BRONZE	0.9	ERL1011C530ADKBZGLR

*ALL CALCULATION POINTS SPACED AT 8' X 8'
PER COB DESIGN STANDARDS
**ALL FIXTURES MODELED WITH 0.9 LIGHT LOSS FACTOR PER COB DESIGN STANDARDS



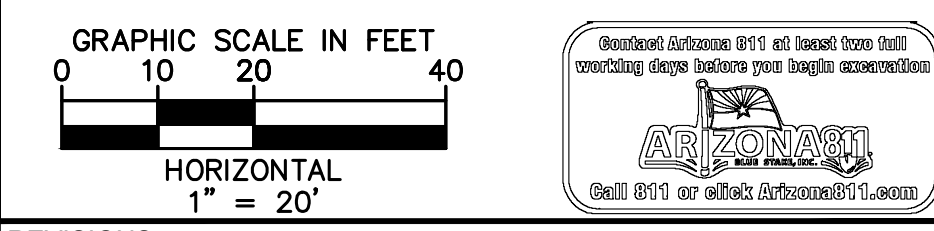
MATCHLINE STA. 45+50 SEE SHEET 111

MATCHLINE STA. 50+50 SEE SHEET 113



DESIGN CRITERIA	
MAJOR ARTERIAL ROAD	
ILLUMINANCE (Fc)	
AVERAGE = 0.9 TO 1.2	
AVG/MIN = 3.0	
INTERSECTION	
MAJOR ARTERIAL/LOCAL	
ILLUMINANCE (Fc)	
AVERAGE >= 1.4	
AVG/MIN = 3.0	
PER CITY OF BUCKEYE ENGINEERING DESIGN STANDARDS 2018 EDITION SECTION 7-2 TABLE 1.	

CALCULATION SUMMARY	
MAJOR ARTERIAL ROAD	
MILLER RD	
ILLUMINANCE (Fc)	
AVERAGE = 1.17	AVG/MIN = 2.93
INTERSECTION	
MILLER & HESS	
ILLUMINANCE (Fc)	
AVERAGE = 1.45	AVG/MIN = 1.75



REVISIONS:
1
2
3

PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 PHOTOMETRIC PLAN**

ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
------------------------------	-------------------------------

AS-BUILT SEAL	DESIGN SEAL
---------------	-------------

ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 112 OF 133

LUMINAIRE EQUIPMENT LIST																	
KEY NO.	SYMBOL	STREET TYPE	OFFSET BEHIND B/C	QUANTITY	POLE HEIGHT		MAST ARM SIZE	MOUNTING HEIGHT	LUMINAIRE				LED STREETLIGHT SPEC NUMBER				
					POLE HEIGHT	FOUNDATION			LUMENS	WATTAGE	C.C.T.	I.E.S DISTRIBUTION		VOLTAGE	TYPE	COLOR	L.L.F.
1		MAJOR ARTERIAL	CENTER OF MEDIAN	20	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 17,300	(2) 140W	3000	TYPE III	PER APS	LED	DARK BRONZE	0.9	ERL2018C330ADKBZLRG
2		MAJOR COLLECTOR	6' BOC OR 2' BOW	4	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 11,100	(2) 96W	3000	TYPE III	PER APS	LED	DARK BRONZE	0.9	ERLH011C330ADKBZLRG

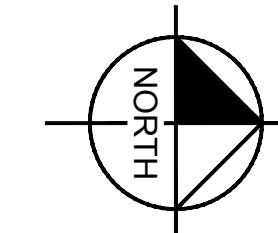
*ALL CALCULATION POINTS SPACED AT 8' X 8'
 PER COB DESIGN STANDARDS
 **ALL FIXTURES MODELED WITH 0.9 LIGHT LOSS FACTOR PER COB DESIGN STANDARDS

SUBMITTAL: **FINAL**

COB PLAN TRACKING #

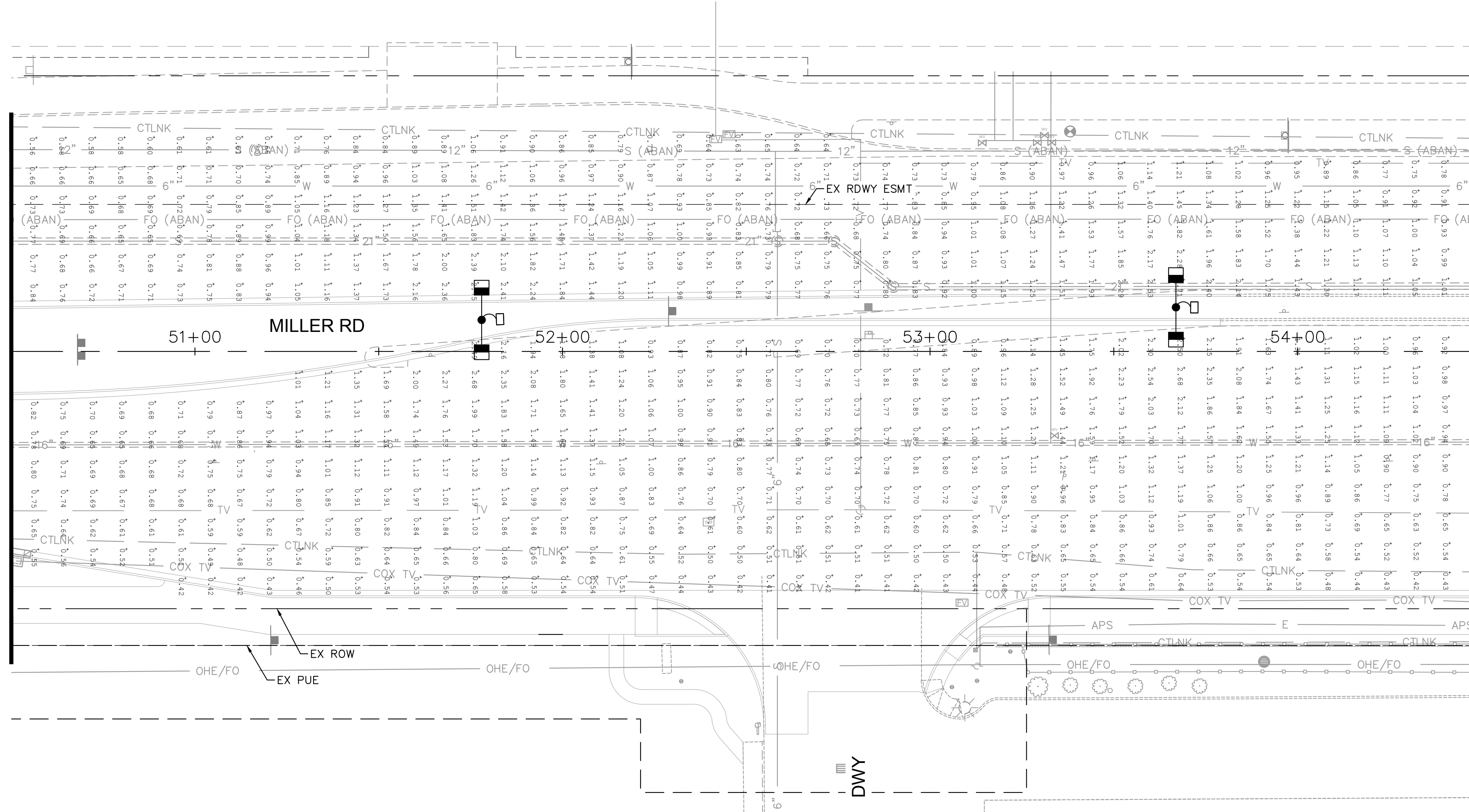
COB PERMIT #

ENGMJRCIP-21-003



MATCHLINE STA. 50+50 SEE SHEET 112

MATCHLINE STA. 54+50 SEE SHEET 114



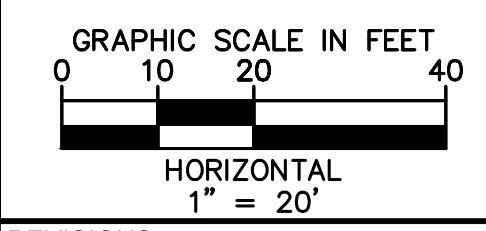
LUMINAIRE EQUIPMENT LIST																	
KEY NO.	SYMBOL	STREET TYPE	OFFSET BEHIND B/C	QUANTITY	POLE HEIGHT		MAST ARM SIZE	MOUNTING HEIGHT	LUMINAIRE						LED STREETLIGHT SPEC NUMBER		
					POLE HEIGHT	FOUNDATION			LUMENS	WATTAGE	C.C.T.	I.E.S DISTRIBUTION	VOLTAGE	TYPE		COLOR	L.L.F.
1		MAJOR ARTERIAL	CENTER OF MEDIAN	20	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 17,200	(2) 130W	3000	TYPE II	PER APS	LED	DARK BRONZE	0.9	ERL2018C530ADKBZGLR
2		MAJOR COLLECTOR	6' BOC OR 2' BOW	4	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 10,500	(2) 87W	3000	TYPE III	PER APS	LED	DARK BRONZE	0.9	ERL1011C530ADKBZGLR

DESIGN CRITERIA

MAJOR ARTERIAL ROAD
 ILLUMINANCE (Fc)
 AVERAGE = 0.9 TO 1.2
 AVG/MIN = 3.0
 PER CITY OF BUCKEYE ENGINEERING DESIGN STANDARDS 2018 EDITION SECTION 7-2 TABLE 1.

CALCULATION SUMMARY

MAJOR ARTERIAL ROAD
 MILLER RD
 ILLUMINANCE (Fc)
 AVERAGE = 1.17 AVG/MIN = 2.93



REVISIONS:

- 1
- 2
- 3

PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 PHOTOMETRIC PLAN**

ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL
 COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
 DESIGN SEAL

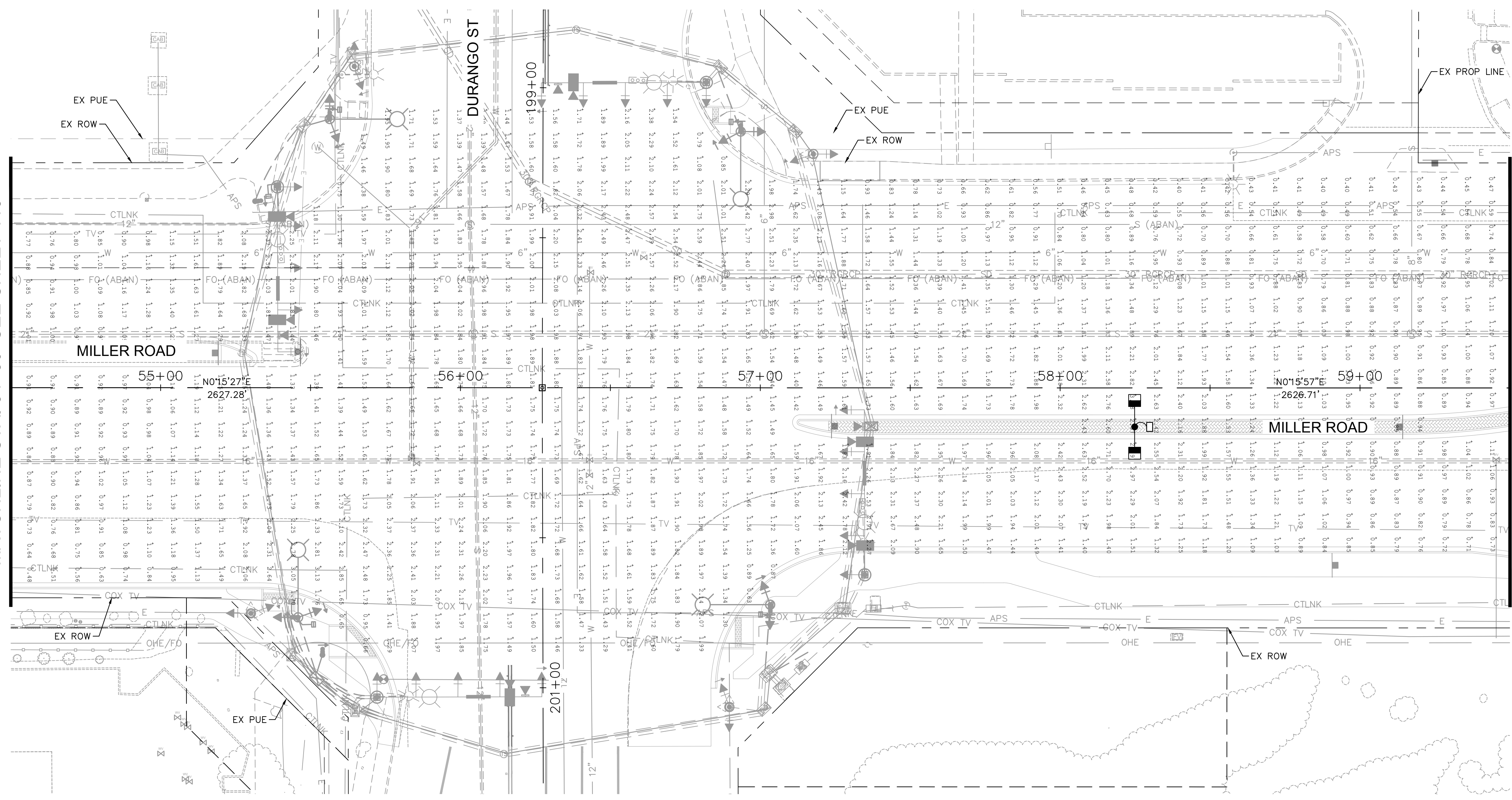
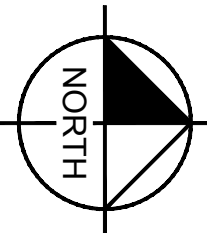
ORIGINAL PLAN DATE: 3/28/2024
 LATEST REVISION DATE:
 PROJECT NUMBER: CIP #105260
 SHEET NUMBER: 113 OF 133

SUBMITTAL: **FINAL**

COB PLAN TRACKING #
 N/A
 COB PERMIT #
 ENGMJRCIP-21-003

*ALL CALCULATION POINTS SPACED AT 8' X 8'
 PER COB DESIGN STANDARDS
 **ALL FIXTURES MODELED WITH 0.9 LIGHT LOSS FACTOR PER COB DESIGN STANDARDS

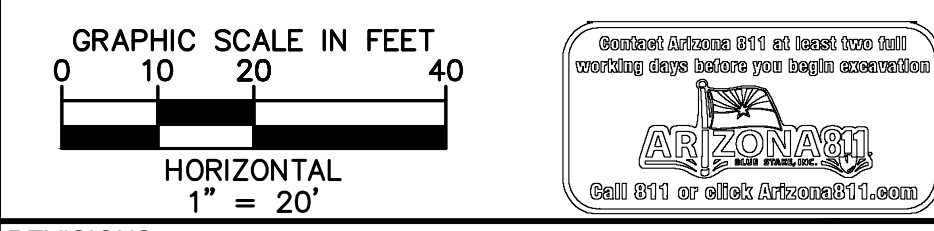
MATCHLINE STA. 54+50 SEE SHEET 113



MATCHLINE STA. 59+50 SEE SHEET 115

DESIGN CRITERIA	
MARJOR ARTERIAL ROAD	
ILLUMINANCE (Fc)	AVERAGE = 0.9 TO 1.2
	AVG/MIN = 3.0
INTERSECTION	
MAJOR ARTERIAL/MAJOR COLLECTOR	
ILLUMINANCE (Fc)	AVERAGE >= 1.8
	AVG/MIN = 3.0
PER CITY OF BUCKEYE ENGINEERING DESIGN STANDARDS 2018 EDITION SECTION 7-2 TABLE 1.	

CALCULATION SUMMARY	
MAJOR ARTERIAL ROAD	
MILLER RD	
ILLUMINANCE (Fc)	AVERAGE = 1.17 AVG/MIN = 2.93
INTERSECTION	
MILLER & DURANGO	
ILLUMINANCE (Fc)	AVERAGE = 1.84 AVG/MIN = 2.92



- REVISIONS:
- 1
 - 2
 - 3

PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 PHOTOMETRIC PLAN**

ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL
 COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
 DESIGN SEAL

ORIGINAL PLAN DATE
 3/28/2024

PROJECT NUMBER
 CIP #105260

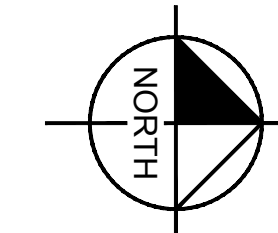
LATEST REVISION DATE
 Exp. Date 12/31/24

SHEET NUMBER
 114 OF 133

LUMINAIRE EQUIPMENT LIST																	
KEY NO.	SYMBOL	STREET TYPE	OFFSET BEHIND B/C	QUANTITY	POLE HEIGHT		MAST ARM SIZE	MOUNTING HEIGHT	LUMINAIRE						LED STREETLIGHT SPEC NUMBER		
					POLE HEIGHT	FOUNDATION			LUMENS	WATTAGE	C.C.T.	I.E.S DISTRIBUTION	VOLTAGE	TYPE		COLOR	L.L.F.
1		MAJOR ARTERIAL	CENTER OF MEDIAN	20	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 17,200	(2) 130W	3000	TYPE II	PER APS	LED	DARK BRONZE	0.9	ERL2018C530ADKBZGLR
2		MAJOR COLLECTOR	6' BOC OR 2' BOW	4	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 10,500	(2) 87W	3000	TYPE III	PER APS	LED	DARK BRONZE	0.9	ERL1011C530ADKBZGLR

*ALL CALCULATION POINTS SPACED AT 8' X 8'
 **ALL FIXTURES MODELED WITH 0.9 LIGHT LOSS FACTOR PER COB DESIGN STANDARDS

SUBMITTAL: **FINAL**
 COB PLAN TRACKING #
 COB PERMIT #
 ENG/MJRCIP-21-003



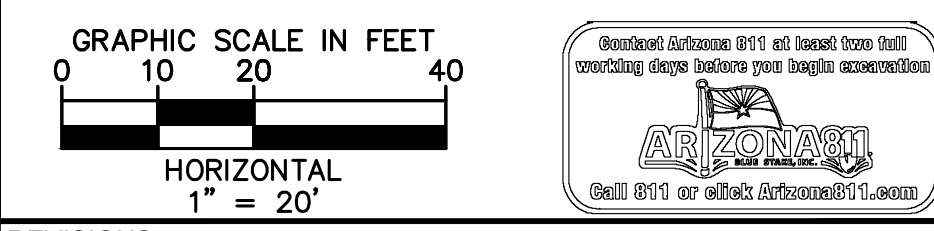
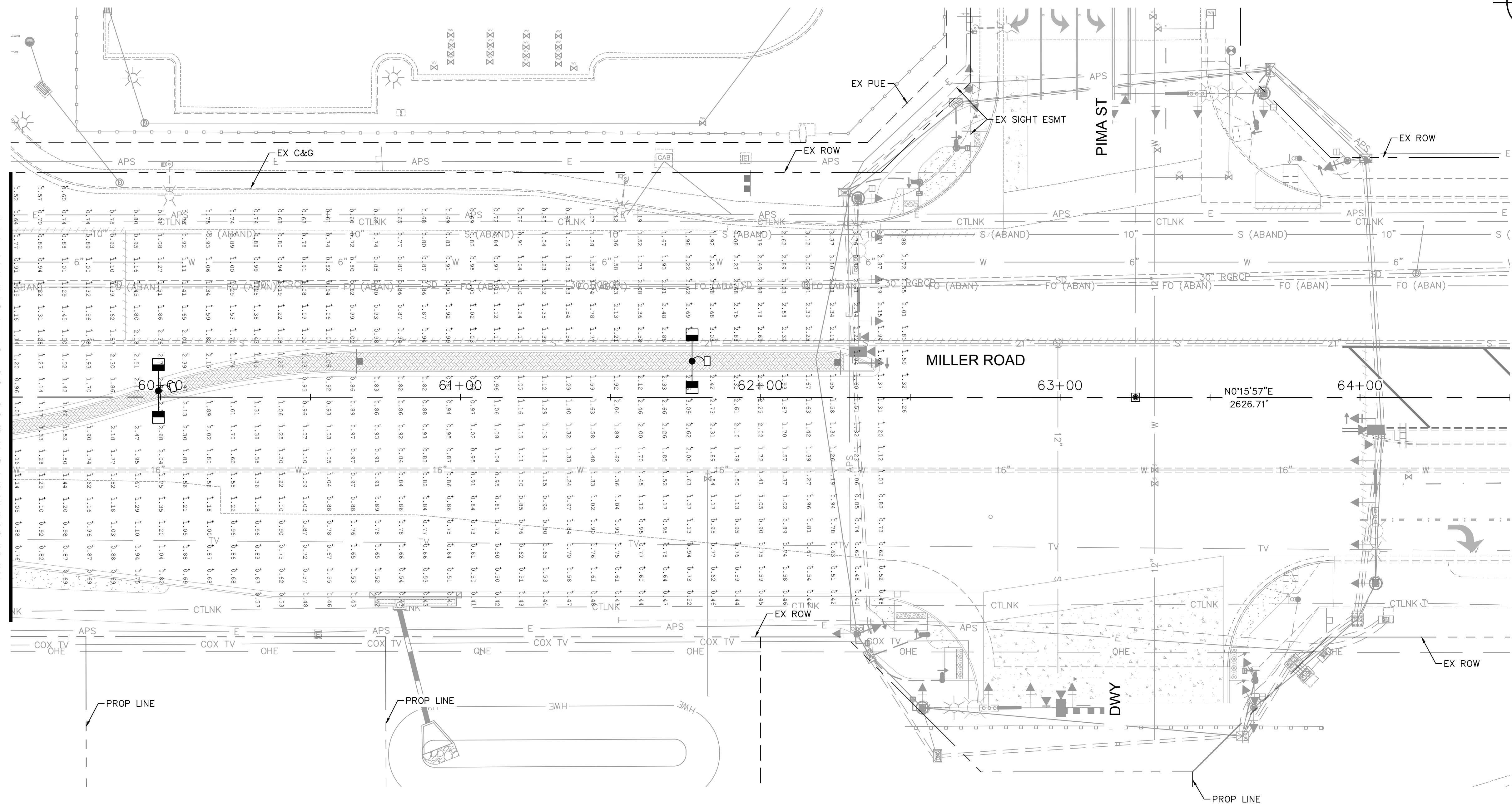
DESIGN CRITERIA

MAJOR ARTERIAL ROAD
 ILLUMINANCE (Fc)
 AVERAGE = 0.9 TO 1.2
 AVG/MIN = 3.0
 PER CITY OF BUCKEYE ENGINEERING DESIGN
 STANDARDS 2018 EDITION SECTION 7-2 TABLE 1.

CALCULATION SUMMARY

MAJOR ARTERIAL ROAD
MILLER RD
 ILLUMINANCE (Fc)
 AVERAGE = 1.17 AVG/MIN = 2.93

MATCHLINE STA. 59+50 SEE SHEET 114



REVISIONS:

- 1
- 2
- 3

PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PHOTOMETRIC PLAN

ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL
 COB ENGINEERING APPROVED SEAL

AS-BUILT SEAL
 DESIGN SEAL

ORIGINAL PLAN DATE: 3/28/2024
 LATEST REVISION DATE:
 PROJECT NUMBER: CIP #105260
 SHEET NUMBER: 115 OF 133

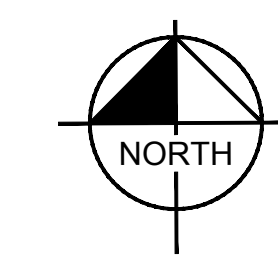
SUBMITTAL: **FINAL**

COB PLAN TRACKING #
 N/A
 COB PERMIT #
 ENGMJRCIP-21-003

LUMINAIRE EQUIPMENT LIST

KEY NO.	SYMBOL	STREET TYPE	OFFSET BEHIND B/C	QUANTITY	POLE HEIGHT		MAST ARM SIZE	MOUNTING HEIGHT	LUMENS	WATTAGE	C.C.T.	I.E.S DISTRIBUTION	VOLTAGE	TYPE	COLOR	L.L.F.	LED STREETLIGHT SPEC NUMBER
					POLE HEIGHT	FOUNDATION											
1		MAJOR ARTERIAL	CENTER OF MEDIAN	20	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 17,200	(2) 130W	3000	TYPE II	PER APS	LED	DARK BRONZE	0.9	ERL2018C530ADKBZGLR
2		MAJOR COLLECTOR	6' BOC OR 2' BOW	4	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 10,500	(2) 87W	3000	TYPE III	PER APS	LED	DARK BRONZE	0.9	ERL1011C530ADKBZGLR

*ALL CALCULATION POINTS SPACED AT 8' X 8'
 PER COB DESIGN STANDARDS
 **ALL FIXTURES MODELED WITH 0.9 LIGHT LOSS FACTOR PER COB DESIGN STANDARDS

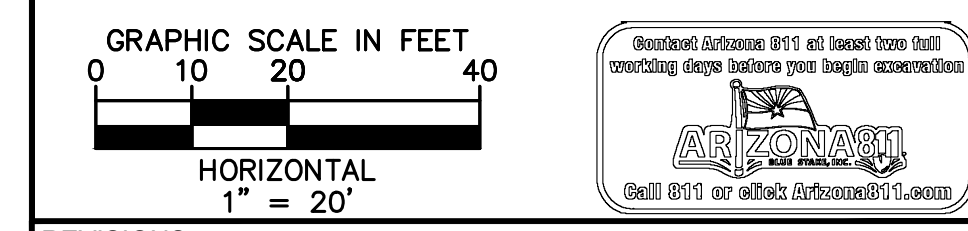
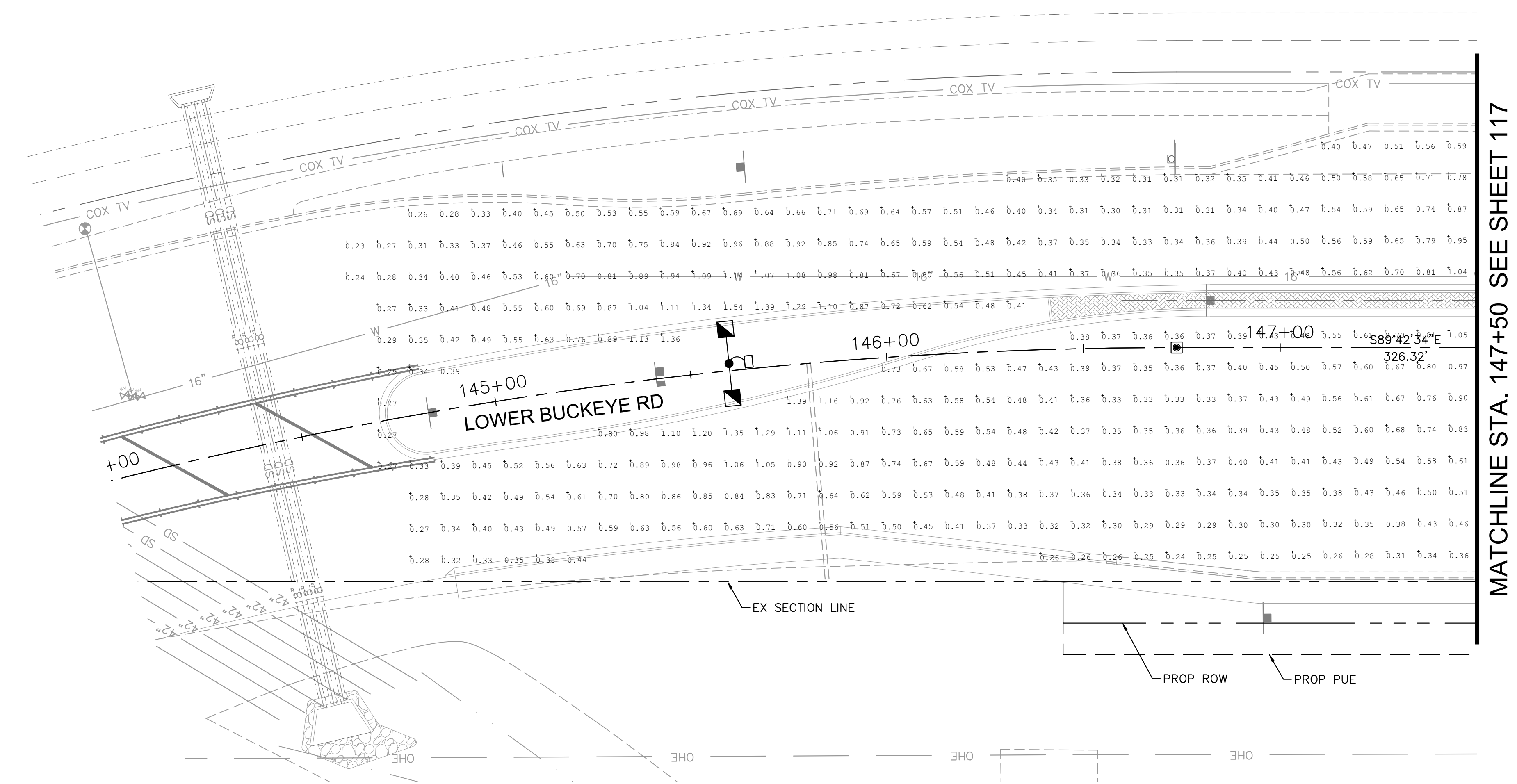


DESIGN CRITERIA

MAJOR COLLECTOR ROAD
 ILLUMINANCE (Fc)
 AVERAGE = 0.6 TO 0.8
 AVG/MIN = 4.0
 PER CITY OF BUCKEYE ENGINEERING DESIGN
 STANDARDS 2018 EDITION SECTION 7-2 TABLE 1.

CALCULATION SUMMARY

MAJOR COLLECTOR ROAD
LOWER BUCKEYE RD
 ILLUMINANCE (Fc)
 AVERAGE = 0.69 AVG/MIN = 3.00



REVISIONS:

1	
2	
3	

PLAN NAME: MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 PHOTOMETRIC PLAN

ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
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AS-BUILT SEAL	DESIGN SEAL
---------------	-----------------

ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 116 OF 133

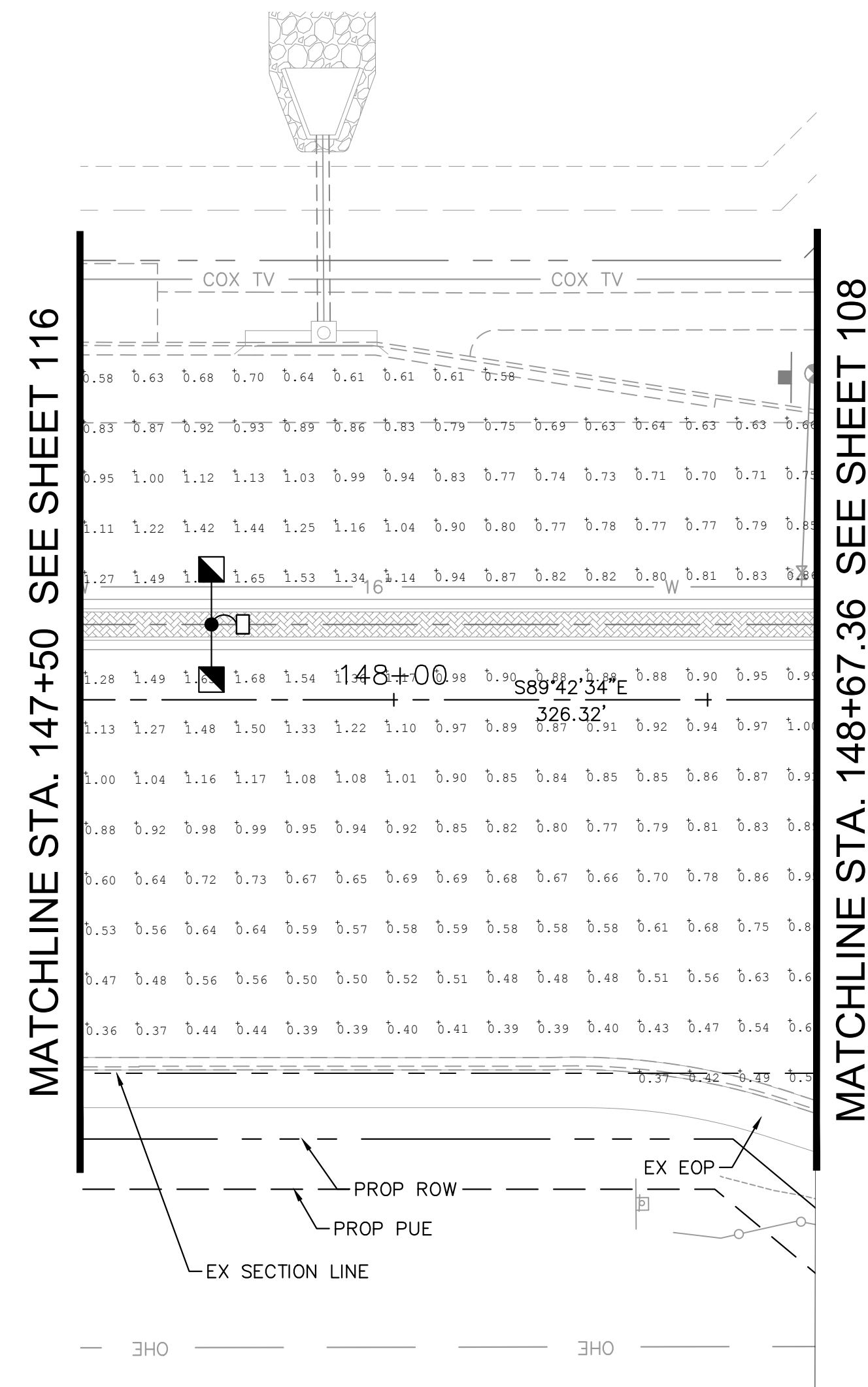
*ALL CALCULATION POINTS SPACED AT 8' X 8'
 PER COB DESIGN STANDARDS
 **ALL FIXTURES MODELED WITH 0.9 LIGHT
 LOSS FACTOR PER COB DESIGN STANDARDS

LUMINAIRE EQUIPMENT LIST

KEY NO.	SYMBOL	STREET TYPE	OFFSET BEHIND B/C	QUANTITY	POLE HEIGHT		MAST ARM SIZE	MOUNTING HEIGHT	LUMINAIRE				LED STREETLIGHT SPEC NUMBER				
					POLE HEIGHT	FOUNDATION			LUMENS	WATTAGE	C.C.T.	I.E.S DISTRIBUTION		VOLTAGE	TYPE	COLOR	L.L.F.
1		MAJOR ARTERIAL	CENTER OF MEDIAN	20	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 17,200	(2) 130W	3000	TYPE II	PER APS	LED	DARK BRONZE	0.9	ERL2018C530ADKBZGLR
2		MAJOR COLLECTOR	6' BOC OR 2' BOW	4	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 10,500	(2) 87W	3000	TYPE III	PER APS	LED	DARK BRONZE	0.9	ERL1011C530ADKBZGLR

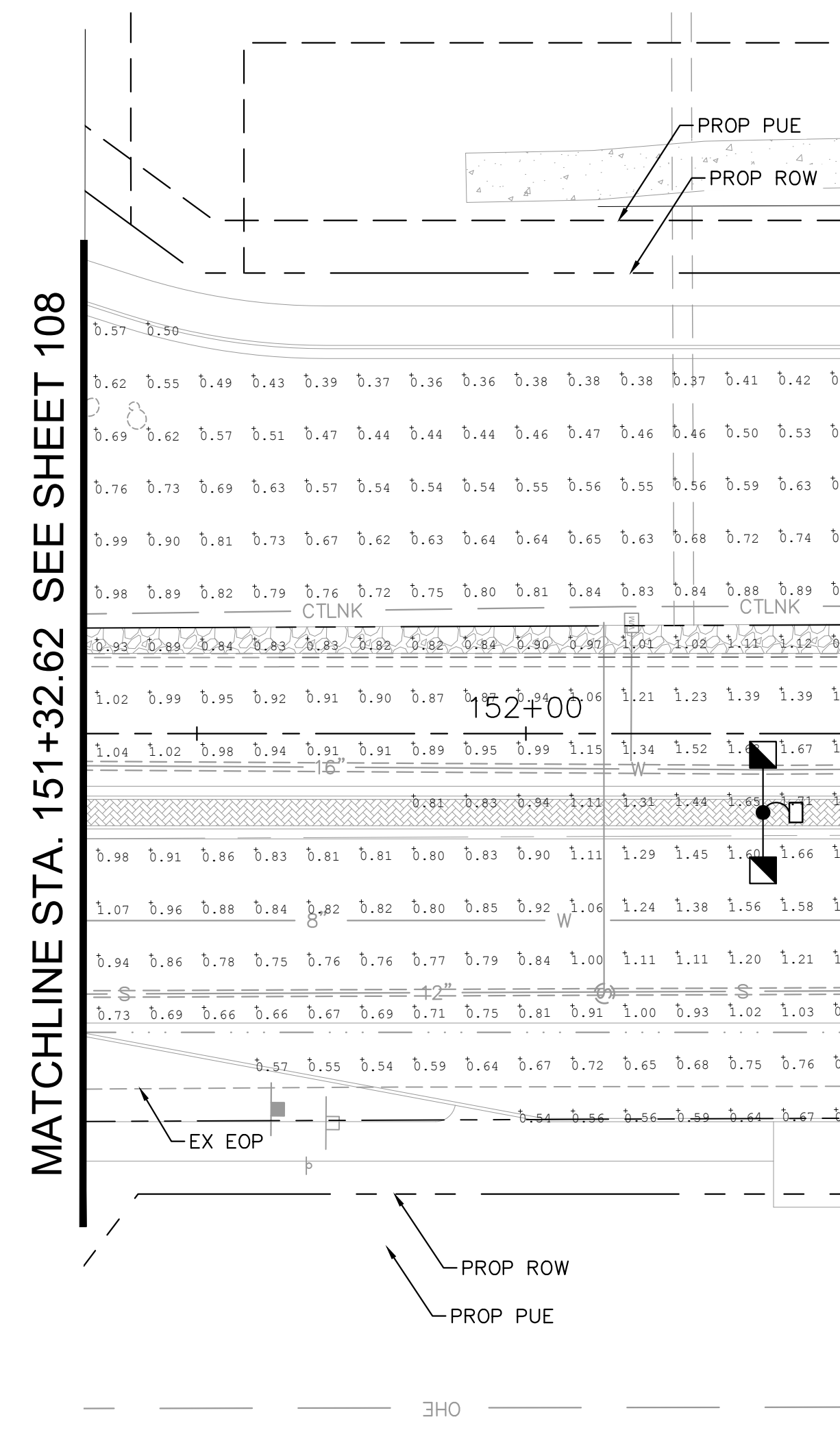
SUBMITTAL: FINAL
 COB PLAN TRACKING #
 COB PERMIT #
 ENG\MJRCIP-21-003

K:\pdm\roadway\191542026-miller rd - lower buckeye to pima final design\Cadd\12-sheets\Lighting\12.24.dwg | 3/27/2024 | FLORIO, GABE



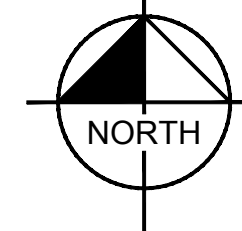
MATCHLINE STA. 148+67.36 SEE SHEET 108

MILLER RD
LOWER BUCKEYE RD



MATCHLINE STA. 151+32.62 SEE SHEET 108

MATCHLINE STA. 152+50 SEE SHEET 118

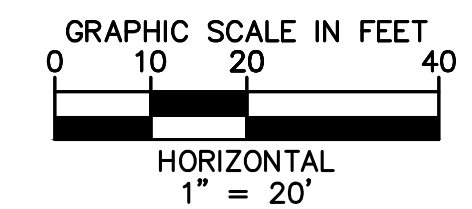


DESIGN CRITERIA

MAJOR COLLECTOR ROAD
ILLUMINANCE (Fc)
AVERAGE = 0.6 TO 0.8
AVG/MIN = 4.0
PER CITY OF BUCKEYE ENGINEERING DESIGN
STANDARDS 2018 EDITION SECTION 7-2 TABLE 1.

CALCULATION SUMMARY

MAJOR COLLECTOR ROAD
LOWER BUCKEYE RD
ILLUMINANCE (Fc)
AVERAGE = 0.69 AVG/MIN = 3.00



REVISIONS:

1	
2	
3	

PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PHOTOMETRIC PLAN

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
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AS-BUILT SEAL	DESIGN SEAL
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ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 117 OF 133

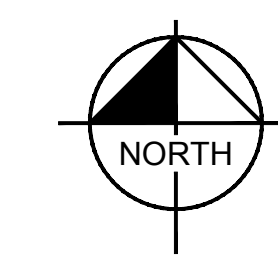
LUMINAIRE EQUIPMENT LIST

KEY NO.	SYMBOL	STREET TYPE	OFFSET BEHIND B/C	QUANTITY	POLE HEIGHT		MAST ARM SIZE	MOUNTING HEIGHT	LUMENS	WATTAGE	C.C.T.	I.E.S DISTRIBUTION	VOLTAGE	TYPE	COLOR	L.L.F.	LED STREETLIGHT SPEC NUMBER
					POLE HEIGHT	FOUNDATION											
1		MAJOR ARTERIAL	CENTER OF MEDIAN	20	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 17,200	(2) 130W	3000	TYPE II	PER APS	LED	DARK BRONZE	0.9	ERL2018C530ADKBZGLR
2		MAJOR COLLECTOR	6' BOC OR 2' BOW	4	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 10,500	(2) 87W	3000	TYPE III	PER APS	LED	DARK BRONZE	0.9	ERL1011C530ADKBZGLR

*ALL CALCULATION POINTS SPACED AT 8' X 8'
PER COB DESIGN STANDARDS
**ALL FIXTURES MODELED WITH 0.9 LIGHT LOSS FACTOR PER COB DESIGN STANDARDS

FINAL

COB PLAN TRACKING #
N/A
COB PERMIT #
ENGMJRCIP-21-003

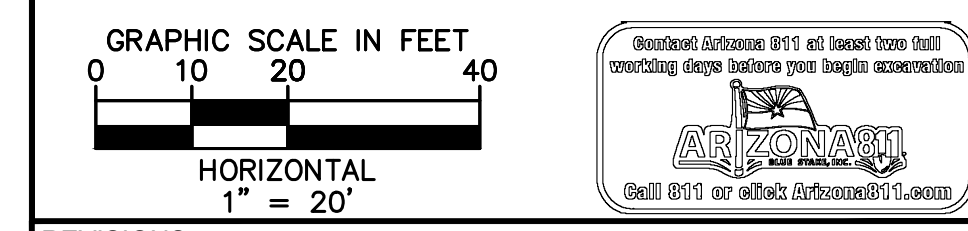
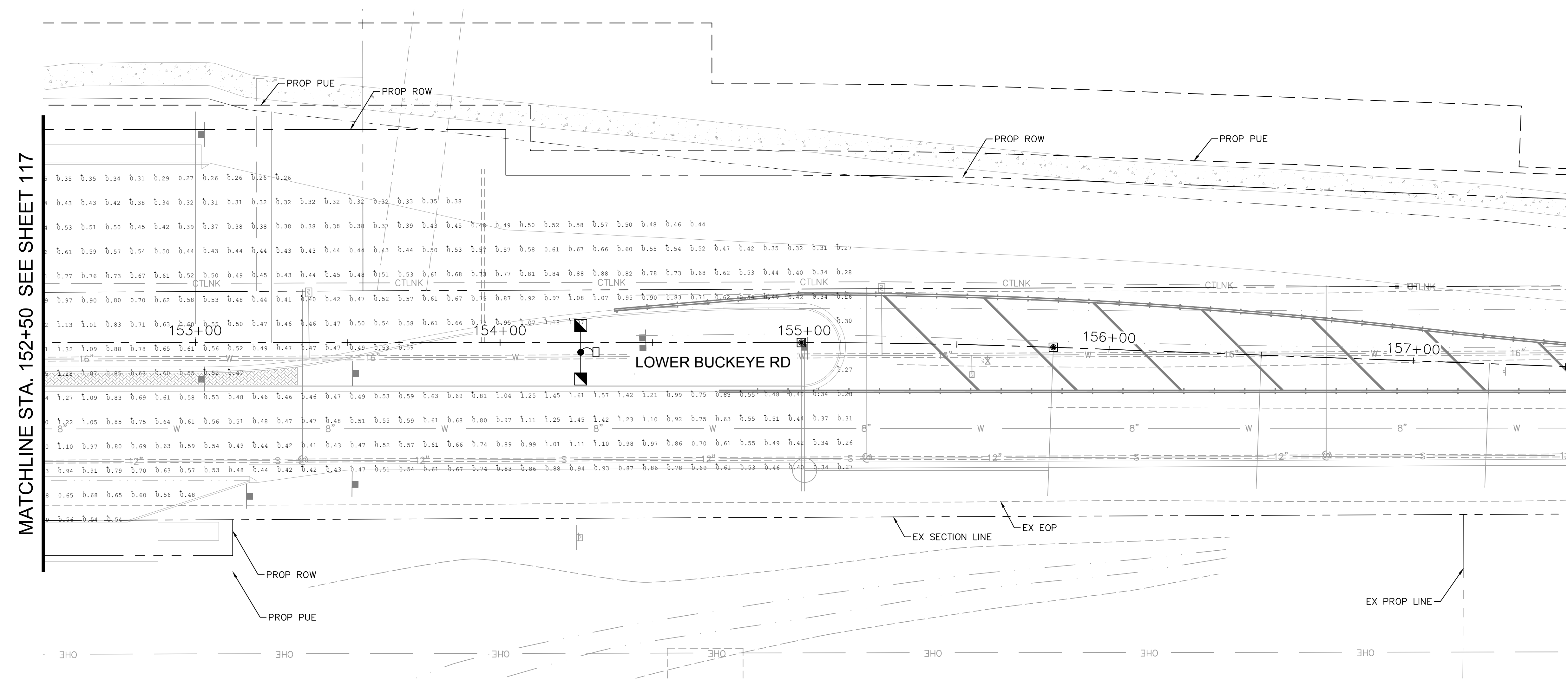


DESIGN CRITERIA

MAJOR COLLECTOR ROAD
 ILLUMINANCE (Fc)
 AVERAGE = 0.6 TO 0.8
 AVG/MIN = 4.0
 PER CITY OF BUCKEYE ENGINEERING DESIGN
 STANDARDS 2018 EDITION SECTION 7-2 TABLE 1.

CALCULATION SUMMARY

MAJOR COLLECTOR ROAD
LOWER BUCKEYE RD
 ILLUMINANCE (Fc)
 AVERAGE = 0.69 AVG/MIN = 3.00



REVISIONS:

1	
2	
3	

PLAN NAME
MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
PHOTOMETRIC PLAN

ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
------------------------------	-------------------------------

AS-BUILT SEAL	DESIGN SEAL
---------------	-----------------

ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 118 OF 133

LUMINAIRE EQUIPMENT LIST

KEY NO.	SYMBOL	STREET TYPE	OFFSET BEHIND B/C	QUANTITY	POLE HEIGHT		MAST ARM SIZE	MOUNTING HEIGHT	LUMENS	WATTAGE	C.C.T.	I.E.S DISTRIBUTION	VOLTAGE	TYPE	COLOR	L.L.F.	LED STREETLIGHT SPEC NUMBER
					POLE HEIGHT	FOUNDATION											
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2		MAJOR COLLECTOR	6' BOC OR 2' BOW	4	32'-0"	FLUSH FOUNDATION	(2) 8' X 8'	40'-0"	(2) 10,500	(2) 87W	3000	TYPE III	PER APS	LED	DARK BRONZE	0.9	ERL1011C530ADKBZGLR

*ALL CALCULATION POINTS SPACED AT 8' X 8'
 PER COB DESIGN STANDARDS
 **ALL FIXTURES MODELED WITH 0.9 LIGHT LOSS FACTOR PER COB DESIGN STANDARDS

K:\p_h_r\roadway\191542026-miller rd - lower buckeye to pima final design\Cadd\12-sheets\Lighting\12.25.dwg | 3/27/2024 | FLORIO, GABE

SUBMITTAL: **FINAL**
 COB PLAN TRACKING #
 N/A
 COB PERMIT #
 ENGMJRCIP-21-003

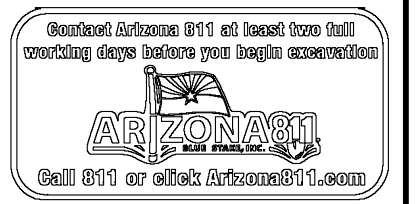
ITS GENERAL NOTES


- THIS PROJECT HAS BEEN DESIGNED USING THE CURRENT 2021 DRAFT EDITION OF BUCKEYE ITS STANDARD DETAILS AS SHOWN ON DETAIL SHEETS IN THE PLANS.
- ALL PROPOSED CONDUIT SHALL BE INSTALLED BY MEANS OF OPEN TRENCHING EXCEPT WHERE DIRECTIONAL DRILLING IS SPECIFICALLY CALLED FOR ON THE PLANS. THE INSTALLATION METHOD CALLED FOR HAS BEEN SELECTED BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF DESIGN AND THE DESIGNER'S JUDGEMENT. THE CONTRACTOR MAY ELECT TO ALTER THE INSTALLATION METHOD, AT NO ADDITIONAL COST TO THE CITY, IF THE CONTRACTOR BELIEVES AN ALTERNATE METHOD WOULD BE MORE APPROPRIATE OR COST EFFECTIVE AT ANY GIVEN LOCATION GIVEN THE CURRENT CONDITIONS. IF THE CONDUIT INSTALLATION IS TO BE OTHER THAN AS SHOWN ON THE PLANS, THE METHOD SHALL BE APPROVED BY THE ENGINEER PRIOR TO ORDERING OF MATERIALS AND COMMENCEMENT OF WORK ACTIVITY AT THE SUBJECT LOCATION.
- ALL CONDUIT SHALL BE PLACED IN TRENCHES ACCORDING TO CITY OF BUCKEYE STANDARD DETAIL 66102 AS INDICATED ON THE PLAN SHEETS. EXACT CONDUIT ROUTE TO BE VERIFIED WITH AND APPROVED BY THE ENGINEER PRIOR TO EXCAVATION TO ACCOUNT FOR FIELD CONDITIONS. ALL CONDUIT AND CABLE (COMMUNICATION AND ELECTRICAL) SHALL BE INSTALLED ACCORDING TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
- ALL TRENCHES SHALL BE BACKFILLED WITH SELECT EXCAVATED BACKFILL UNLESS OTHERWISE NOTED ON THE PLANS.
- IF THE CONDUIT ENCASED IN SELECT EXCAVATED BACKFILL MUST DEVIATE FROM A TANGENT PATH TO AVOID OBSTRUCTIONS, THE CONTRACTOR SHALL ROUTE THE CONDUIT CURVATURE (BOTH HORIZONTALLY AND VERTICALLY) OF 1 INCH DEFLECTION PER FOOT OF LENGTH AS SHOWN IN DETAIL A. ELBOWS SHALL NOT BE PERMITTED EXCEPT AS SPECIFIED IN THE PLANS.
- THE PLANS SHOW THE GENERAL PATH AND LOCATION OF CONDUIT AND EQUIPMENT IN RELATION TO MAJOR PHYSICAL FEATURES. THE LOCATION OF UTILITY POLES, FIRE HYDRANTS, IRRIGATION DEVICES, VEGETATION AND OTHER STATIONARY OBJECTS ALONG THE CONDUIT PATH MAY NOT BE SHOWN BUT SHALL BE IDENTIFIED BY THE CONTRACTOR AS THE CONDUIT ROUTE IS MARKED JUST PRIOR TO TRENCHING. THE CONTRACTOR SHALL PLACE ALL CONDUIT IN A MANNER THAT MINIMIZES BENDING BOTH HORIZONTALLY AND VERTICALLY, THUS MINIMIZING INDUCED STRESSES ON CABLES DURING INSTALLATION. ALL LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO TRENCHING.
- WHEN SHOWN, DIMENSIONAL DISTANCES FOR CONDUIT LOCATIONS ARE PROVIDED TO ASSIST THE CONTRACTOR IN CONDUIT PLACEMENT. THE CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING ALL CONDUIT AROUND EXISTING UTILITIES AND OBSTRUCTIONS.
- ALL WORK SHALL BE PERFORMED WITHIN CITY RIGHT-OF-WAY AND PROPOSED EASEMENTS.
- THE CONTRACTOR SHALL NOTIFY AZ811 (BLUE STAKE) (602-263-1100) AT LEAST 2 WORKING DAYS PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL EXECUTE A BLUE STAKE AGREEMENT WITH THE CITY STATING THAT THE CITY WILL BLUE STAKE CITY OWNED FACILITIES IN THE AREA ONE TIME AND ANY ADDITIONAL BLUE STAKING WOULD BE THE CONTRACTOR'S RESPONSIBILITY AND AT ITS OWN EXPENSE.
- THE INFORMATION SHOWN ON THE DRAWINGS CONCERNING THE TYPE AND LOCATION OF EXISTING UNDERGROUND AND OVERHEAD UTILITIES IS APPROXIMATE AND HAS NOT BEEN INDEPENDENTLY VERIFIED BY THE ENGINEER OR THE ENGINEER'S AGENT. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND AND OVERHEAD UTILITIES. THE REPAIRS TO EXISTING UTILITY INFRASTRUCTURE DAMAGED BY THE CONTRACTOR'S ACTIVITIES SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE CITY.
- THE HORIZONTAL LOCATIONS OF EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION. THE VERTICAL LOCATIONS OF EXISTING UTILITIES ARE SHOWN ONLY WHERE VERIFIED BY FIELD SURVEY METHODS. THE CONTRACTOR SHALL BE RESPONSIBLE TO ADHERE TO ALL CURRENT ARIZONA 811 LAWS.
- ALL EXISTING PLANT MATERIAL 3 FEET OR LESS FROM THE CENTERLINE OF THE TRENCH THAT IS DISTURBED DURING THE CONSTRUCTION PHASE SHALL BE REPLACED WITH IDENTICAL PLANT SPECIES AND SHALL BE PLANTED AND STAKED PER THE ORIGINAL PLANS TO THE APPROVAL OF THE ENGINEER. REPLACEMENT PLANT MATERIAL SHALL BE 5 GALLON CONTAINER SIZE FOR ALL TREES AND 1 GALLON CONTAINER SIZE FOR ALL SHRUBS. PLANTINGS SHALL BE PLANTED AT THEIR ORIGINAL LOCATION OR AT A MINIMUM DISTANCE OF 3 FEET FROM THE CENTERLINE OF THE TRENCH, WHICHEVER IS A GREATER DISTANCE.
- ALL EXISTING LANDSCAPE SHALL NOT BE WITHOUT EXISTING IRRIGATION SYSTEM SUPPLIED WATER FOR PERIODS LONGER THAN 24 HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING PLANT MATERIAL IN HEALTHY CONDITION AND PROPER FUNCTION OF THE WATER AND ELECTRICAL SERVICES AFFECTED DURING CONSTRUCTION.
- PLANT MATERIAL MAY BE PRUNED TO PROVIDE CONSTRUCTION ACCESS. THE PRUNING SHALL BE PERFORMED BY TRAINED AND EXPERIENCED LANDSCAPE PERSONNEL. THE PRUNING METHODS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ANY PRUNING.
- ALL DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES TO THE IRRIGATION SYSTEM SHALL BE REPAIRED, FLUSHED AND TESTED FOR LEAKS IN THE SYSTEM. TESTING SHALL BE COMPLETED AT OPERATING PRESSURE WITHIN 24 HOURS OF THE COMPLETION OF WORK AT THE SUBJECT LOCATION. THE IRRIGATION SYSTEM SHALL BE REPAIRED WITH COMPARABLE MATERIALS AND INSTALLATION METHODS AS PER ORIGINAL PLANS AND TO THE APPROVAL OF THE ENGINEER AT NO COST TO THE CITY.
- EXISTING SURVEY MONUMENTS AND PROPERTY CORNER MONUMENTS MAY BE ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR SHALL IDENTIFY, FLAG, AND AVOID DISTURBING ANY SUCH MONUMENTS.
- CITY OF BUCKEYE'S APPROVED MATERIALS LIST FOR PULL BOXES, LIDS, CONDUITS, AND FITTINGS CAN BE FOUND AT:
[HTTPS://WWW.BUCKEYEAZ.GOV/HOME/SHOWPUBLISHEDDOCUMENT/10580](https://www.buckeyeaz.gov/home/showpublisheddocument/10580)

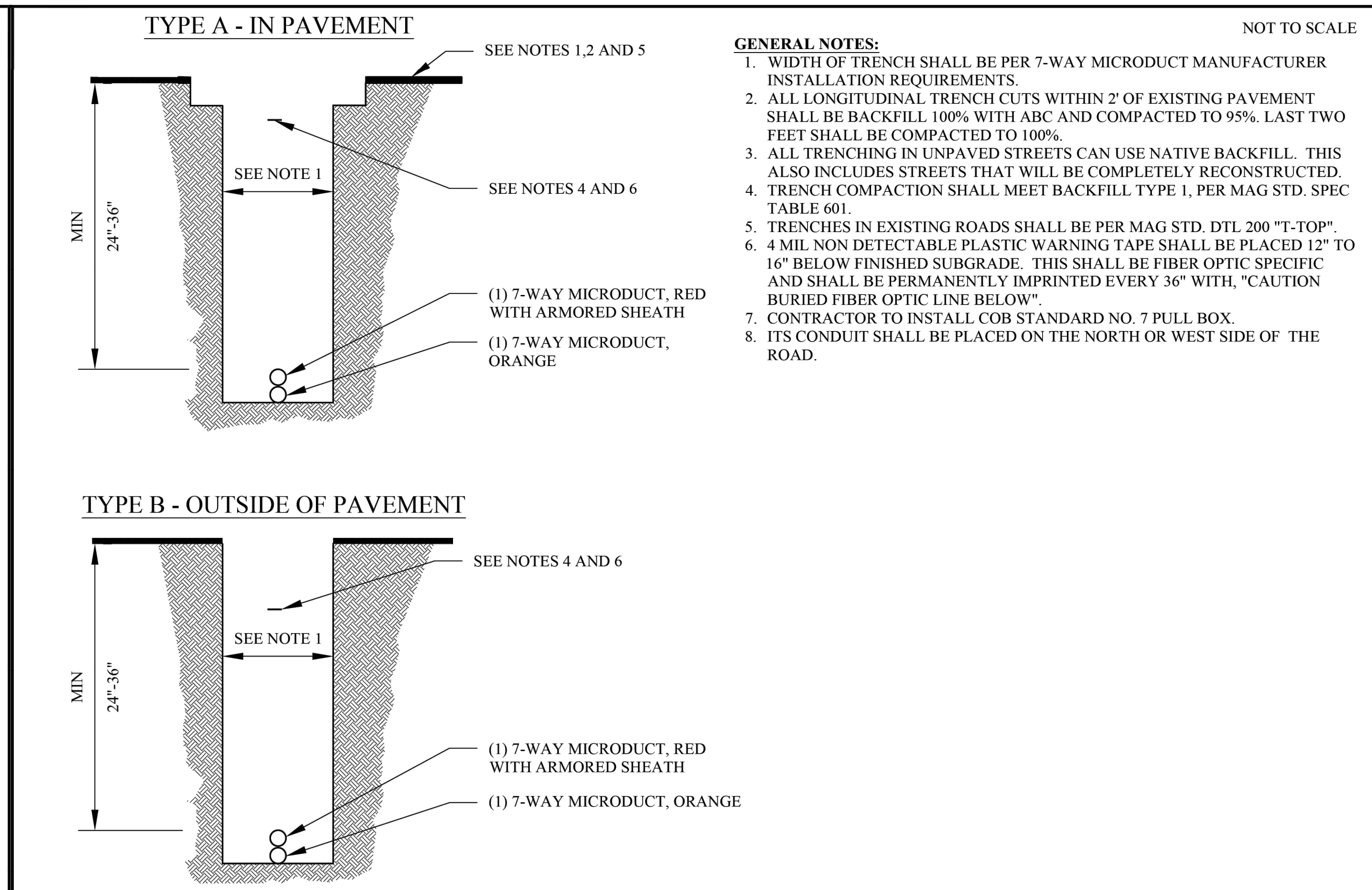
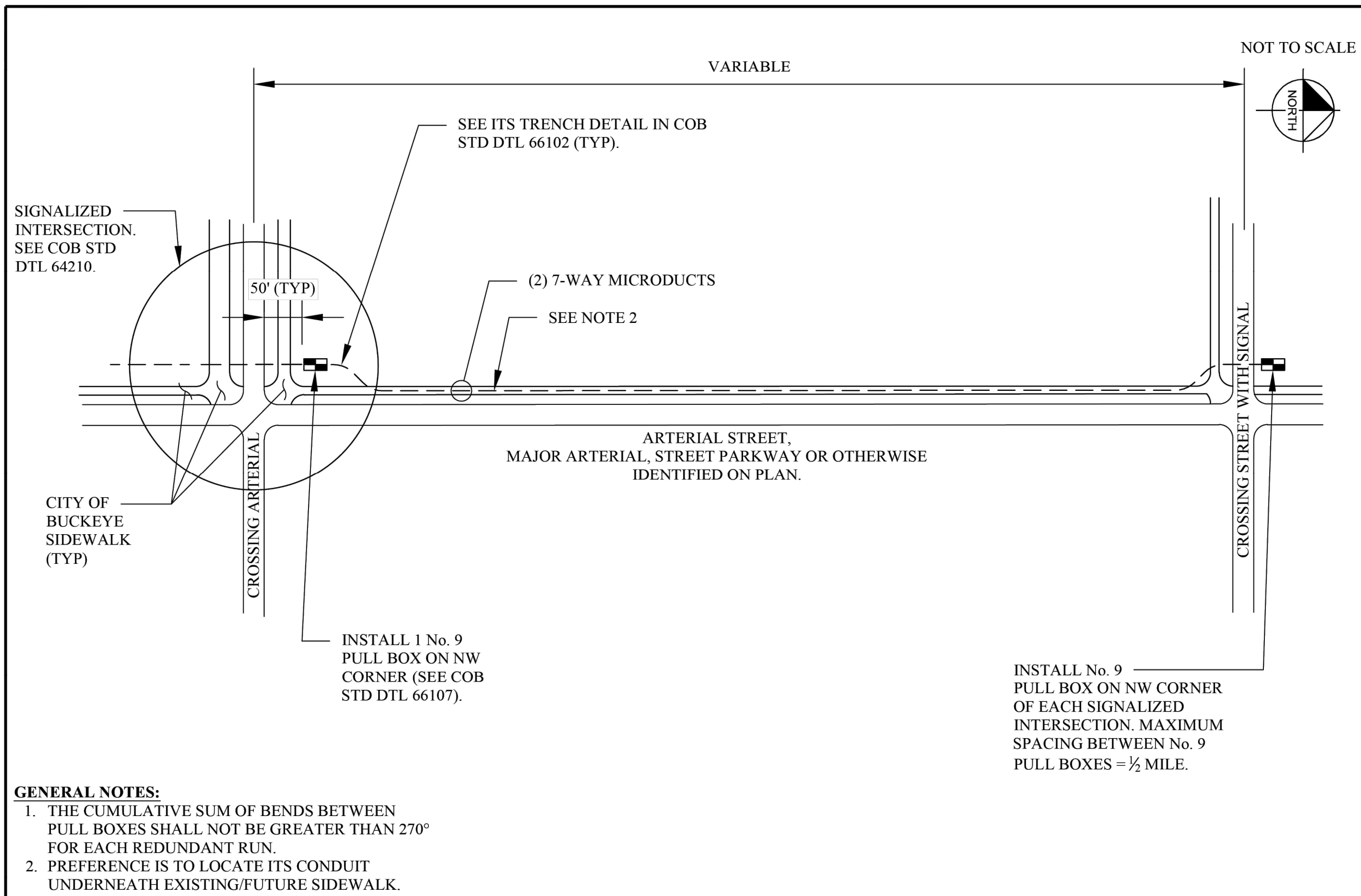
LEGEND (ITS)

EXIST	NEW	
- - - - -	- - - - -	UNDERGROUND CONDUIT
☒	☒	NO. 7 PULL BOX WITH EXTENSION
☒	☒	NO. 9 PULL BOX
⊗	⊗	ITS CONSTRUCTION NOTE
))	DIRECTIONAL DRILL BEGIN/END LIMITS

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REVISIONS:	
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PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS ITS GENERAL NOTES	
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL AS-BUILT SEAL	COB ENGINEERING APPROVED SEAL DESIGN SEAL  Expires 03/31/26
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 119 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING # N/A	
COB PERMIT # ENGMJRCIP-21-003	

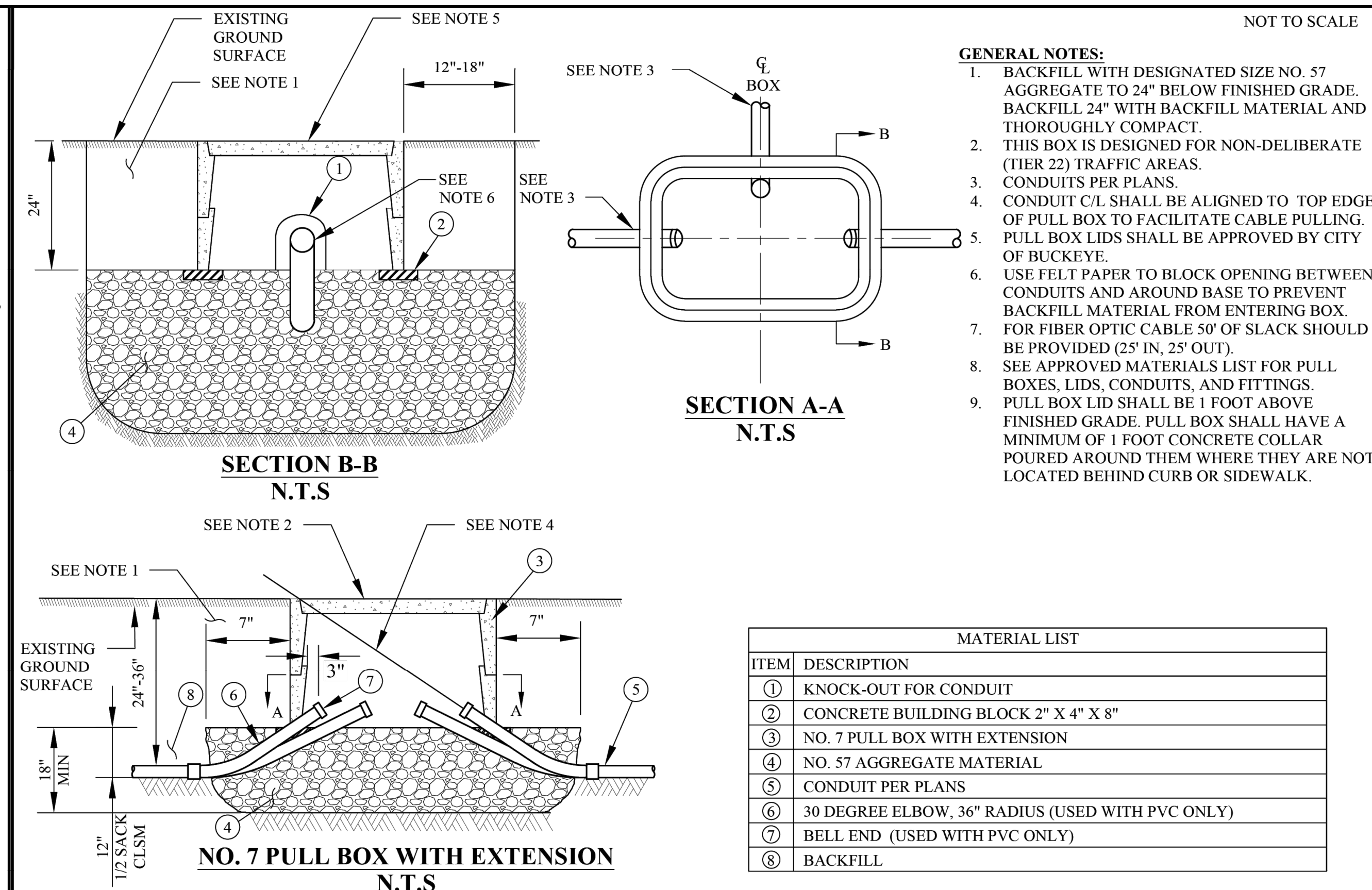
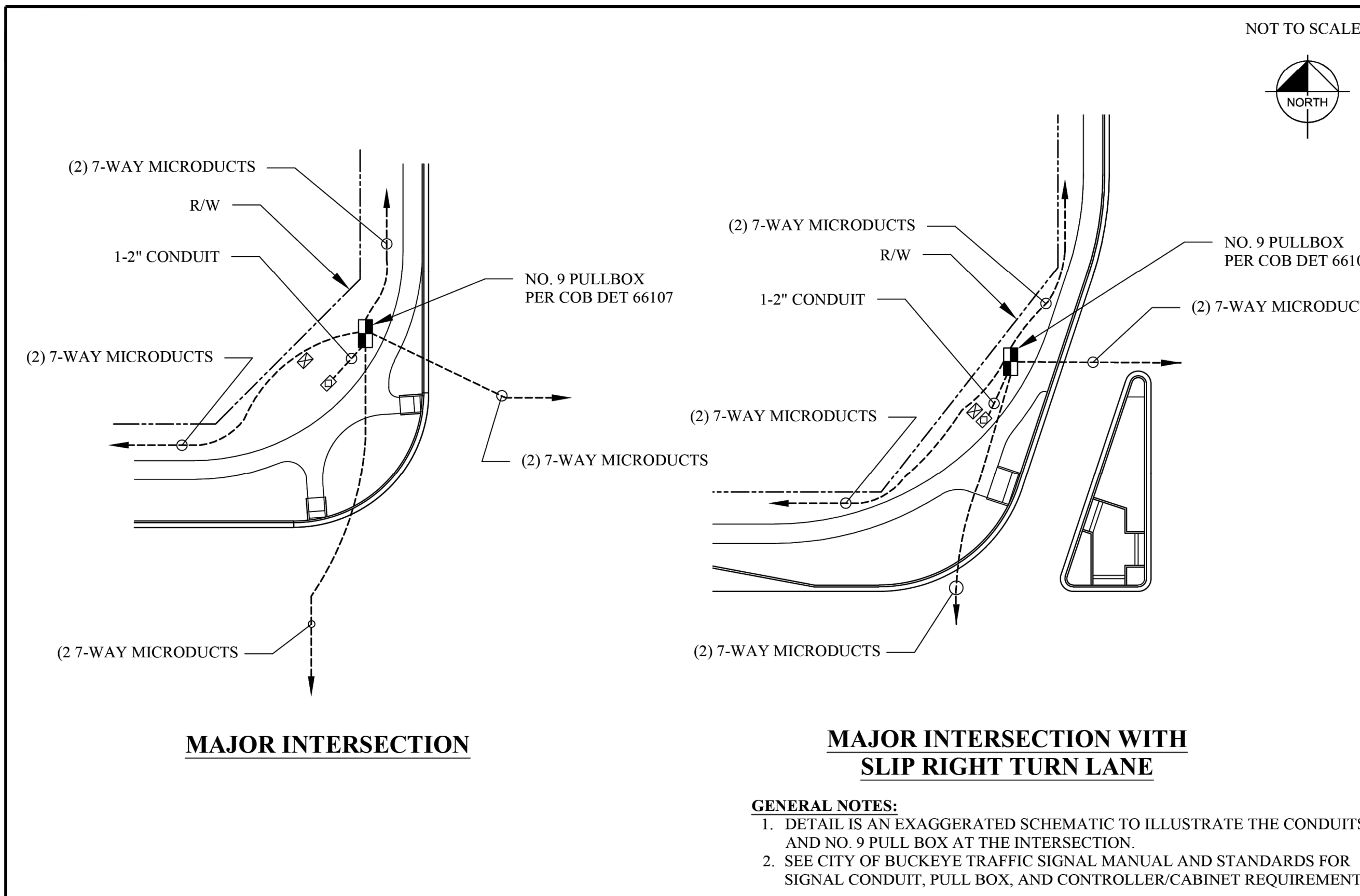


TYPICAL ITS PULL BOX AND CONDUIT LOCATIONS

REVIS: 01-19-23
DETAIL NO: 66101

ITS TRENCH

REVIS: 01-20-23
DETAIL NO: 66102



NO. 9 PULL BOX LOCATIONS

REVIS: 01-19-23
DETAIL NO: 66103

TYPICAL PULL BOX INSTALLATION NO. 7E PULL BOXES

REVIS: 01-19-23
DETAIL NO: 66104

REVISIONS:

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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS ITS DETAILS

ENGINEER INFORMATION: **Kimley»Horn**
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL: [Signature]

COB ENGINEERING APPROVED SEAL: [Signature]

AS-BUILT SEAL: [Signature]

DESIGN SEAL: [Signature]

REGISTERED PROFESSIONAL ENGINEER
70672 ZACHARY HANDY
ARIZONA, U.S.A.
Expires 03/31/26

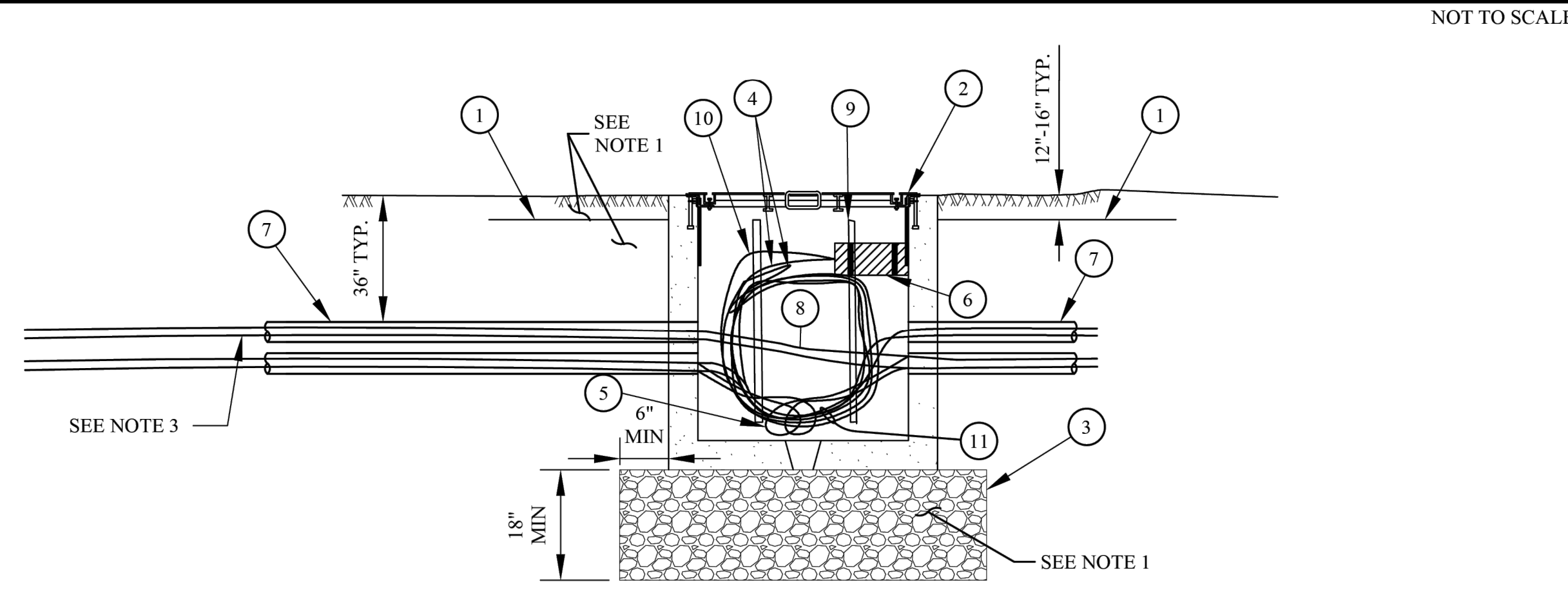
ORIGINAL PLAN DATE: 3/28/2024
LATEST REVISION DATE: [Blank]

PROJECT NUMBER: CIP #105260
SHEET NUMBER: 120 OF 133

COB PLAN TRACKING # [Blank]
COB PERMIT # [Blank]
ENG/MJRCIP-21-003

FINAL

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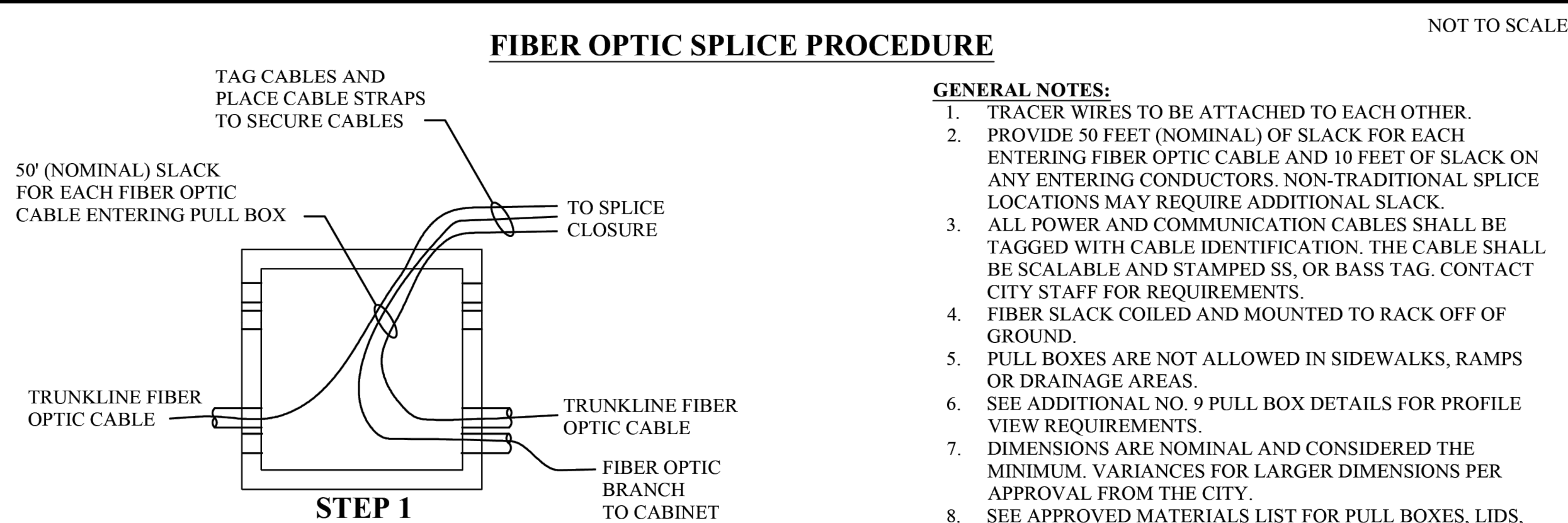
CONDUIT PLACEMENT AND COILING DETAIL - SIDE VIEW

MATERIAL LIST	
ITEM	DESCRIPTION
①	WARNING TAPE (AS REQUIRED)
②	NO. 9 PULL BOX
③	CLASS "B" CONC. AGG. DESIGNATED SIZE NO. 57
④	SINGLE MODE FIBER OPTIC CABLE (SMFO)
⑤	#8 GREEN BOND (AS REQUIRED)
⑥	FIBER OPTIC SPLICE CLOSURE
⑦	CONDUIT PER PLANS
⑧	#12 LOCATOR WIRE (THW) WITH 25 FEET OF SLACK
⑨	RACK & HOOK (EACH WALL TYP)
⑩	SINGLE MODE FIBER OPTIC BRANCH CABLE (AS REQUIRED)
⑪	100' NOMINAL SLACK (50' ENTRY/50' EXIT)

- GENERAL NOTES:**
- BACKFILL WITH CLASS "B" CONCRETE AGGREGATE DESIGNATED SIZE NO. 57 AGGREGATE BELOW PULL BOX. BACKFILL AROUND SIDES OF PULL BOX WITH BACKFILL MATERIAL AND THOROUGHLY COMPACT AT 95% MAX. DENSITY.
 - CONTRACTOR SHALL COORDINATE WITH CITY STAFF FOR SPLICE CLOSURE PLACEMENT AND ATTACHMENT WITHIN PULL BOX.
 - INSTALL 3" PVC CONDUIT SLEEVE IN PULL BOX TERM-A-DUCT EXTENDING 2 FEET FROM PULL BOX TO PREVENT DIRT AND WATER FROM ENTERING PULL BOX.

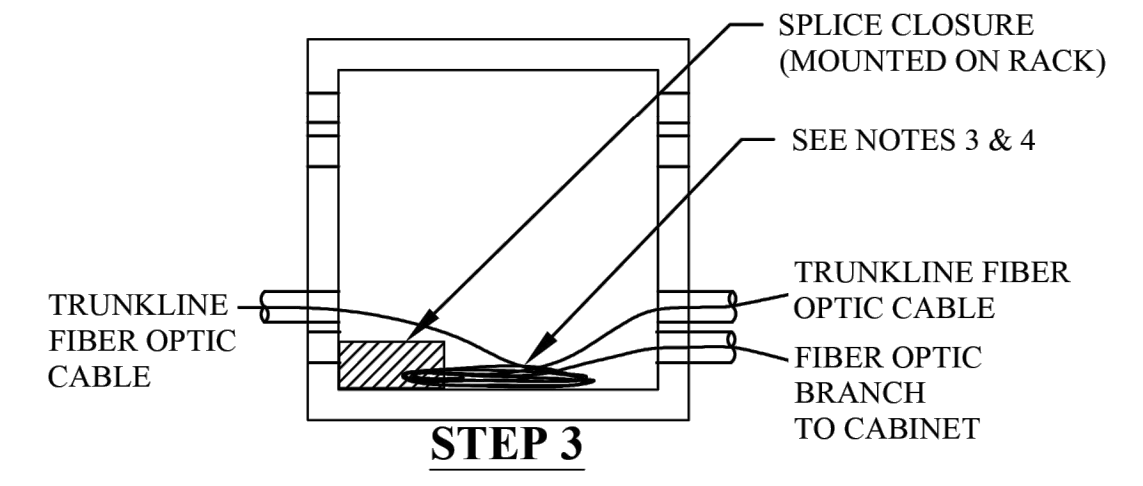
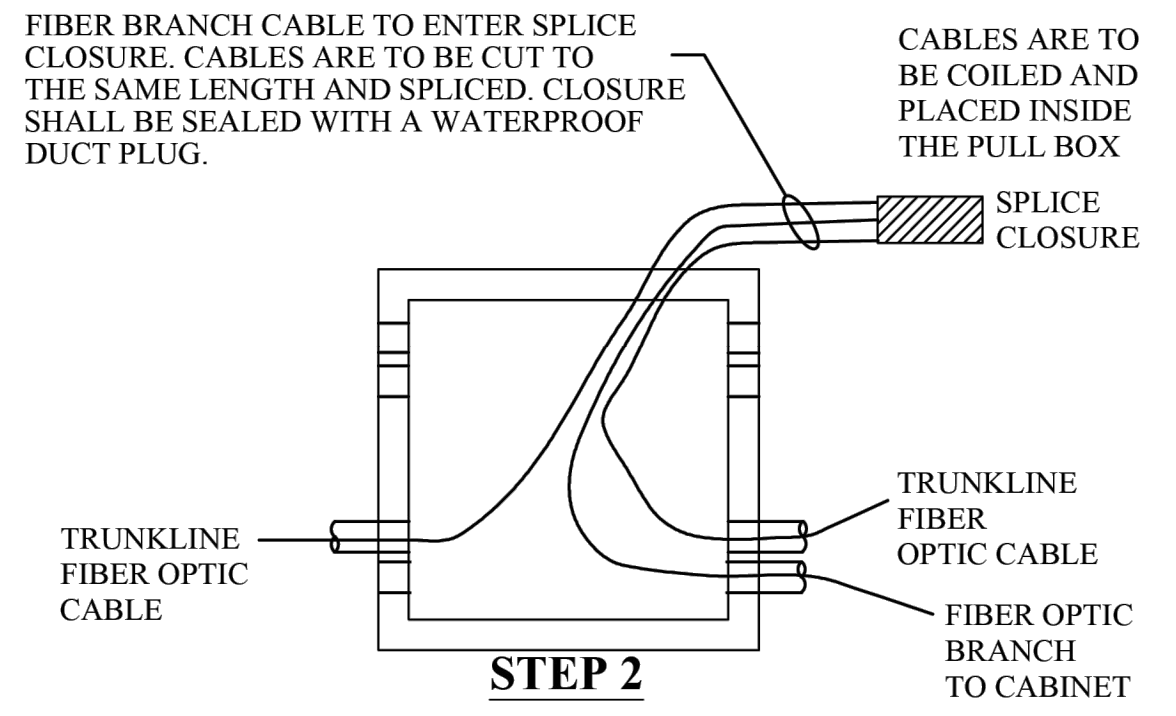
NO. 9 PULL BOX WIRING AND SPLICING DETAIL

REVISED: 01-19-23
DETAIL NO: 66105



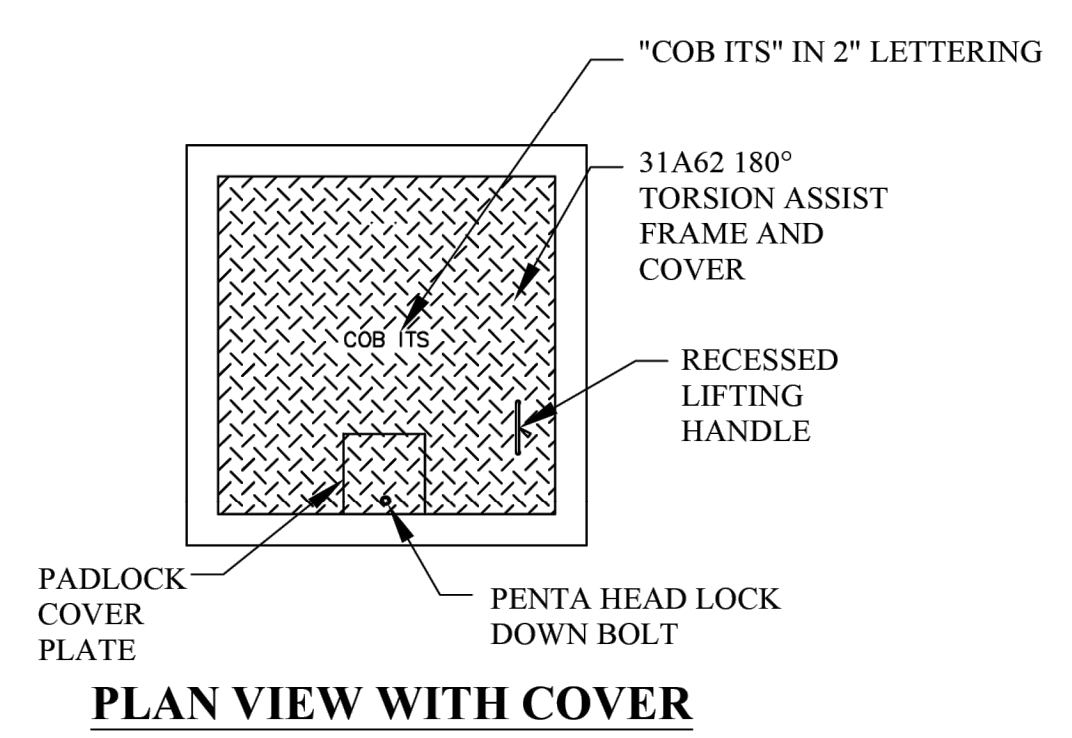
FIBER OPTIC SPLICE PROCEDURE

- GENERAL NOTES:**
- TRACER WIRES TO BE ATTACHED TO EACH OTHER.
 - PROVIDE 50 FEET (NOMINAL) OF SLACK FOR EACH ENTERING FIBER OPTIC CABLE AND 10 FEET OF SLACK ON ANY ENTERING CONDUCTORS. NON-TRADITIONAL SPLICE LOCATIONS MAY REQUIRE ADDITIONAL SLACK.
 - ALL POWER AND COMMUNICATION CABLES SHALL BE TAGGED WITH CABLE IDENTIFICATION. THE CABLE SHALL BE SCALABLE AND STAMPED SS, OR BASS TAG. CONTACT CITY STAFF FOR REQUIREMENTS.
 - FIBER SLACK COILED AND MOUNTED TO RACK OFF OF GROUND.
 - PULL BOXES ARE NOT ALLOWED IN SIDEWALKS, RAMPS OR DRAINAGE AREAS.
 - SEE ADDITIONAL NO. 9 PULL BOX DETAILS FOR PROFILE VIEW REQUIREMENTS.
 - DIMENSIONS ARE NOMINAL AND CONSIDERED THE MINIMUM. VARIANCES FOR LARGER DIMENSIONS PER APPROVAL FROM THE CITY.
 - SEE APPROVED MATERIALS LIST FOR PULL BOXES, LIDS, CONDUITS, AND FITTINGS.
 - ALL CONDUITS SHALL BE SEALED WITH A WATERPROOF DUCT PLUG.
 - PULL BOX LID SHALL BE 1 FOOT ABOVE UNFINISHED GRADE. PULL BOX SHALL HAVE A MINIMUM OF 1 FOOT CONCRETE COLLAR POURED AROUND THEM WHERE THEY ARE NOT LOCATED BEHIND CURB OR SIDEWALK.

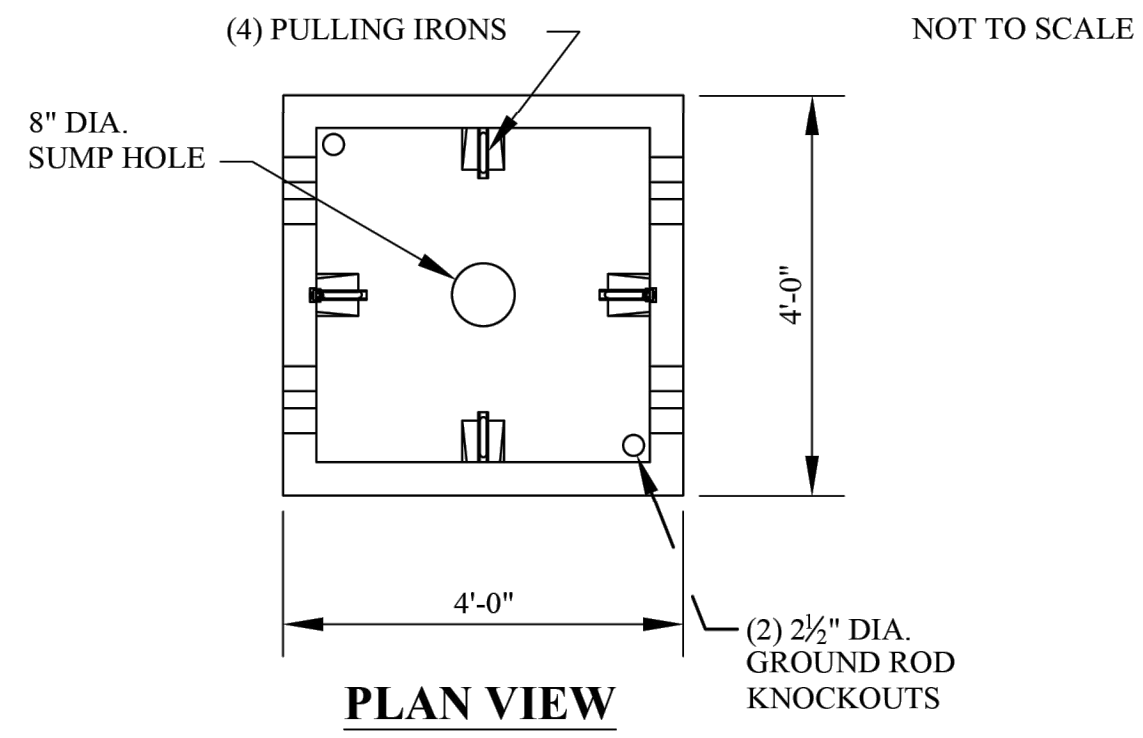


NO. 9 PULL BOX FIBER OPTIC SPLICE PROCEDURE

REVISED: 01-19-23
DETAIL NO: 66106



PLAN VIEW WITH COVER



PLAN VIEW

- GENERAL NOTES:**
- BACKFILL WITH CLASS "B" CONCRETE AGGREGATE DESIGNATED SIZE NO. 57 AGGREGATE BELOW PULL BOX. BACKFILL AROUND SIDES OF PULL BOX WITH SELECT EXCAVATED MATERIAL AND THOROUGHLY COMPACT AT 95% MAX. DENSITY.
 - CONDUIT FROM THE TYPICAL TRENCH SECTION SHALL NOT DEFLECT BY MORE THAN 1/12" FROM THE ALIGNMENT PRECEDING OR FOLLOWING THE PULL BOX.
 - TOP OF CONDUITS SHALL BE LOCATED AT 24"-36" BELOW EXISTING GROUND. CONDUITS AT PULL BOXES SHALL DEFLECT NO MORE THAN 1/12" TO ENTER PULL BOX. CONDUITS SHALL BE FLUSH WITH INSIDE OF PULL BOX.
 - ALL NEW PULL BOXES SHALL BE FURNISHED WITH RACKS AND HOOKS INSTALLED.
 - PLUG EACH UNUSED CONDUIT END WITH APPROVED, WATERPROOF DUCT PLUG.
 - "COB ITS" SHALL BE THE TITLE EMBOSSED ON THE LID.
 - PULL BOX LID SHALL BE 1" ABOVE FINISHED GRADE IN UNPAVED AREAS. SEE APPROVED MATERIALS LIST FOR PULL BOXES, LIDS, CONDUITS, AND FITTINGS.
 - LID SHALL OPEN 180 DEGREES WITH A TORSION BAR LIFT ASSIST.
 - LID SHALL BE DIAMOND PLATE AND HAVE GALVANIZED FINISH.
 - BOX SHALL BE ORIENTED SO THAT LID OPENS AWAY FROM ANY ROADWAY LANE.
 - COVER HARDWARE SHALL BE CADMIUM PLATED.
 - RECESSED PADLOCK MAY BE LOCATED ON EITHER SIDE OR ON THE OPENING SIDE OF THE COVER.
 - PULLING IRONS SHALL BE LOCATED AS SHOWN IN PLAN VIEW, NO DEVIATIONS ACCEPTED.
 - PULLING IRONS SHALL BE 3/4" 0 COLD ROLLED GALVANIZED STEEL.
 - WEIGHT COVER - 1075#, VAULT 3250# - 4250#, TOTAL 4325# - 5325#.
 - NON-SHRINK GROUT SHALL BE USED AROUND CONDUITS PENETRATING THE PULL BOX.
 - ALL BOX JOINTS SHALL BE SEALED USING CONSEAL CS-101 BUTYL RUBBER ROPE.

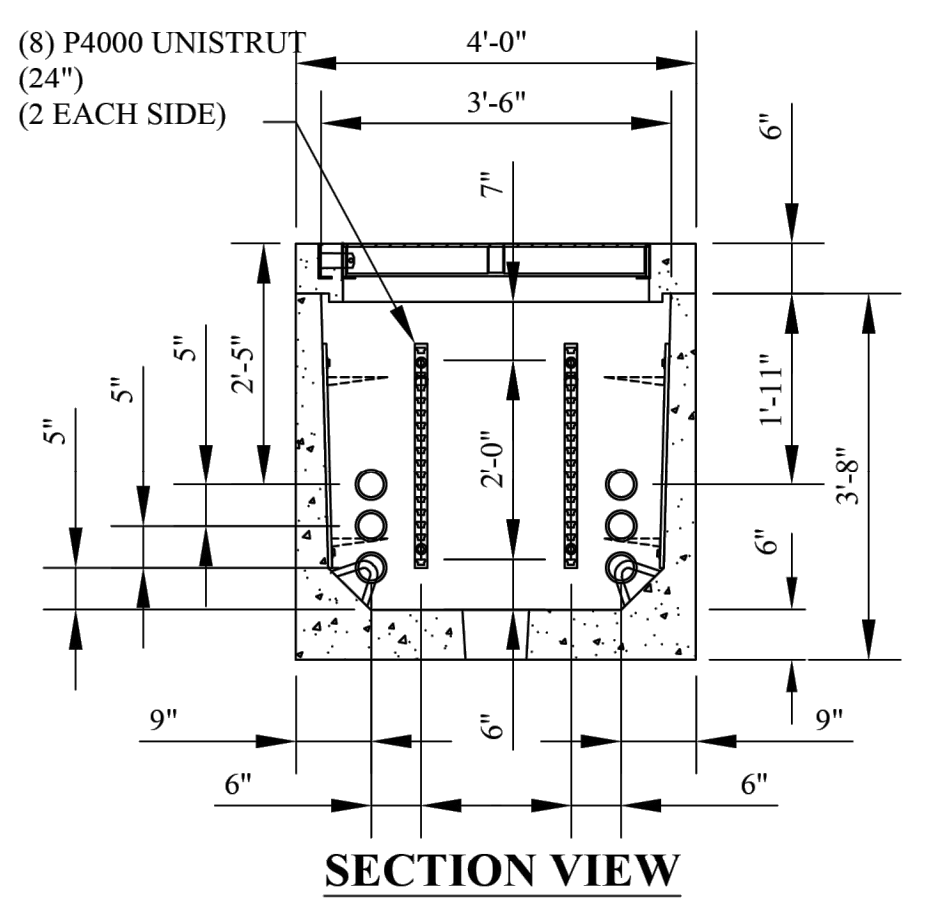
RACKING PACKAGE DETAIL

- 8 - 18 HOLE RACK
- 16 - 1/2" SPRING NUTS AND BOLT
- 16 - 7/8" STRAIGHT HOOKS

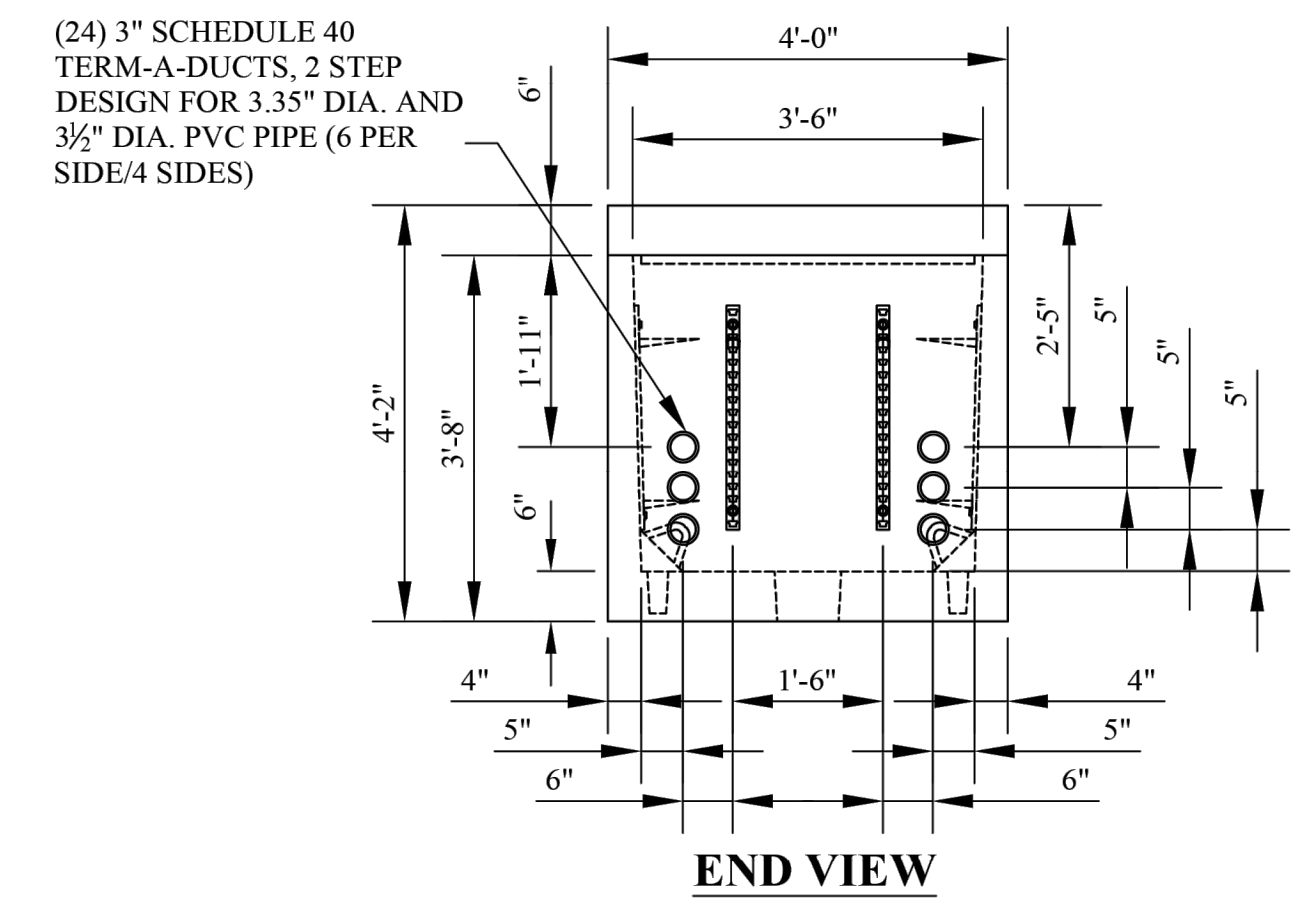
PLAN SYMBOL



- STRUCTURAL NOTES:**
- CONCRETE: 28 DAY COMPRESSIVE STRENGTH $f_c = 4500$ PSI
 - REBAR ASTM A-615 GRADE 60
 - MESH: ASTM A-185 GRADE 65
 - DESIGN: ACI-318-99 BUILDING CODE AND ASTM C-857 "MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE LOADING STRUCTURES"
 - LOADS: HS20 WHEEL LOADING IN OFF-STREET LOCATIONS WHERE NOT SUBJECTED TO HIGH DENSITY TRAFFIC
80 PSF LATERAL LIVE LOAD SURCHARGE - UP TO 8'-0" DEPTH SOIL: 40 PCF LATERAL SOIL PRESSURE ABOVE WATER TABLE
80 PCF LATERAL SOIL PRESSURE BELOW WATER TABLE
120 PCF SOIL DENSITY
 - SOIL COVER: 0' TO 5' (MAX.)



SECTION VIEW



END VIEW

NO. 9 PULL BOX (1 OF 2)

REVISED: 01-19-23
DETAIL NO: 66107-1

NO. 9 PULL BOX (2 OF 2)

REVISED: 01-19-23
DETAIL NO: 66107-2

REVISIONS:

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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS ITS DETAILS

ENGINEER INFORMATION: **Kimley Horn**
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL

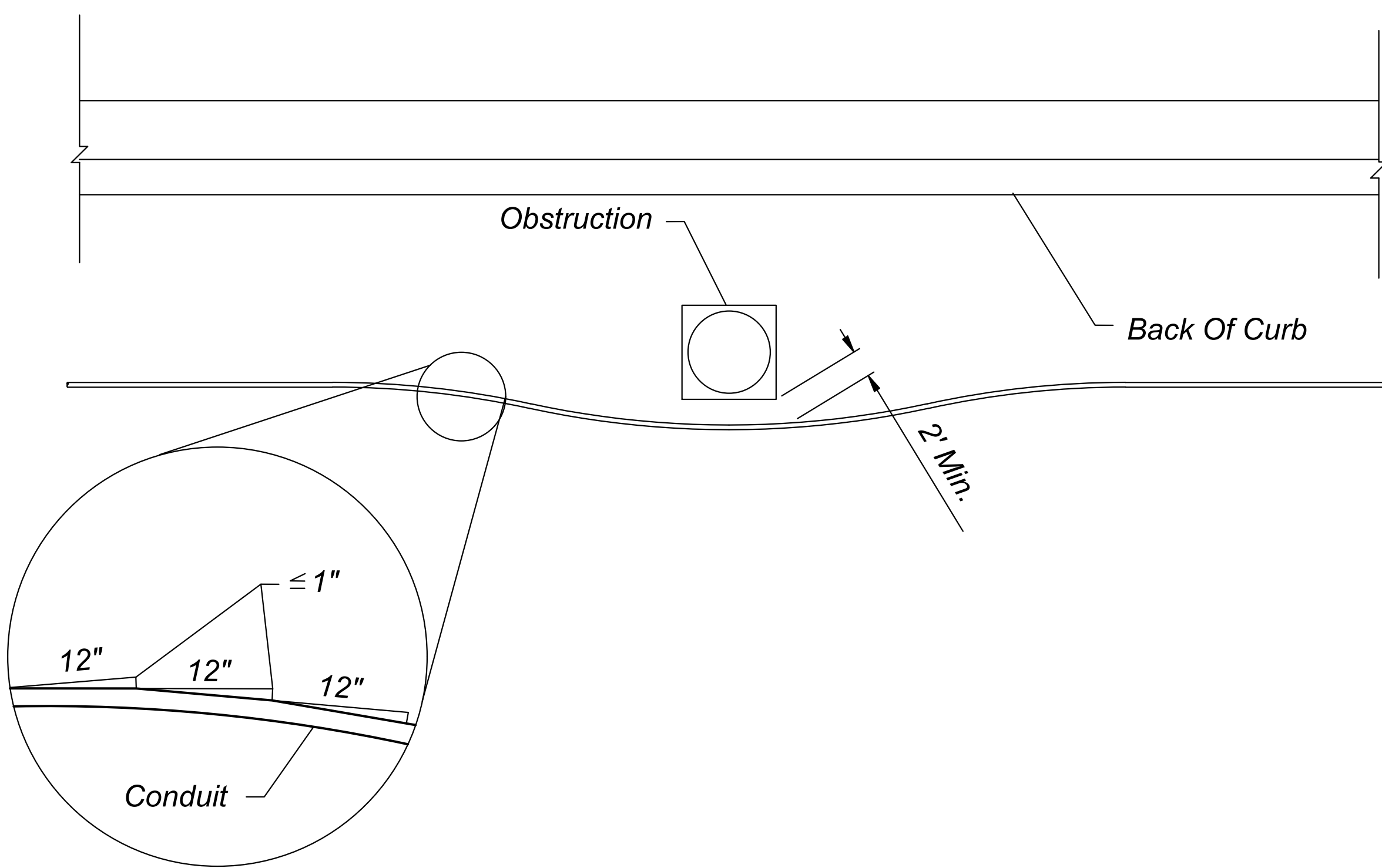
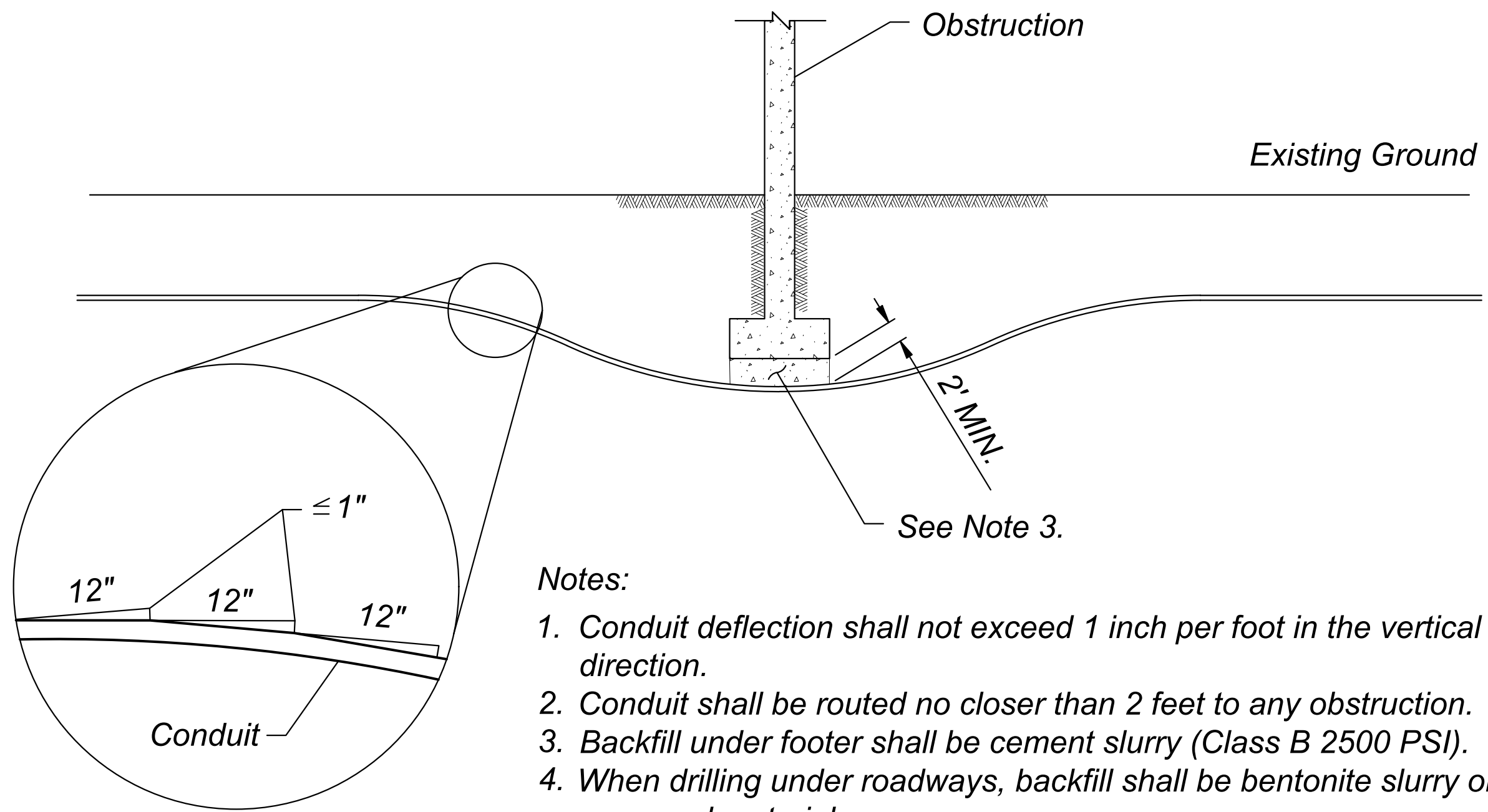
DESIGN SEAL: 70672 ZACHARY HANDY, Registered Professional Engineer, ARIZONA, U.S.A., Expires 03/31/26

ORIGINAL PLAN DATE: 3/28/2024
LATEST REVISION DATE: [blank]

PROJECT NUMBER: CIP #105260
SHEET NUMBER: 121 OF 133

COB PLAN TRACKING # [blank]
SUBMITTAL: FINAL
COB PERMIT # [blank]
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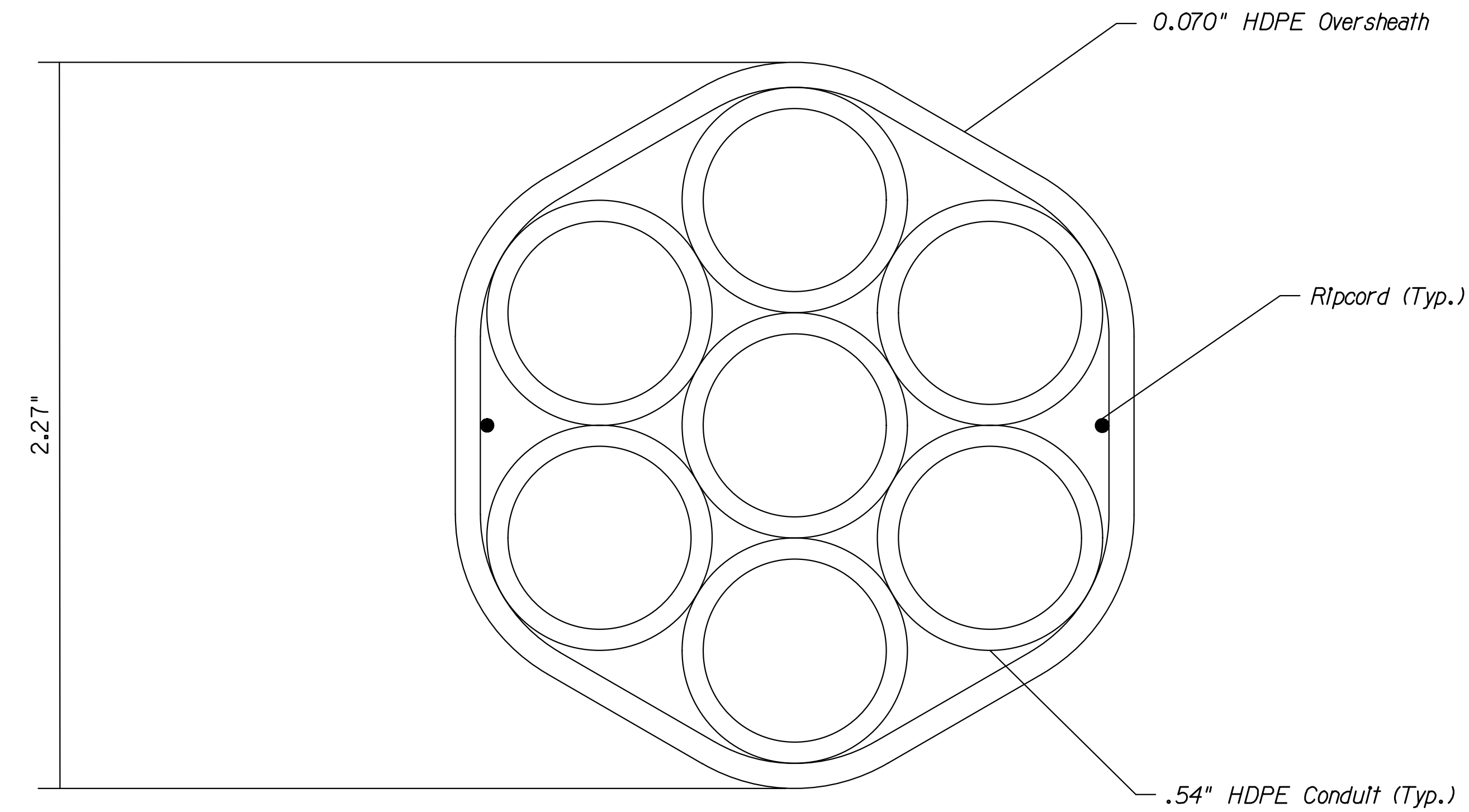
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- Notes:
1. Conduit deflection shall not exceed 1 inch per foot in the vertical direction.
 2. Conduit shall be routed no closer than 2 feet to any obstruction.
 3. Backfill under footer shall be cement slurry (Class B 2500 PSI).
 4. When drilling under roadways, backfill shall be bentonite slurry or other approved materials.
 5. PVC conduit installation shall meet all of the dimensional requirements shown in this detail.
 6. Lateral offset to unprotected drill pit shall comply with Std. Dwg. FM-3.17 "CLEAR ZONE, UNPROTECTED EQUIPMENT".

ITS DETAIL A

VERTICAL ROUTING OF CONDUIT UNDER AN OBSTRUCTION
ELEVATION & PLAN VIEW
N.T.S.



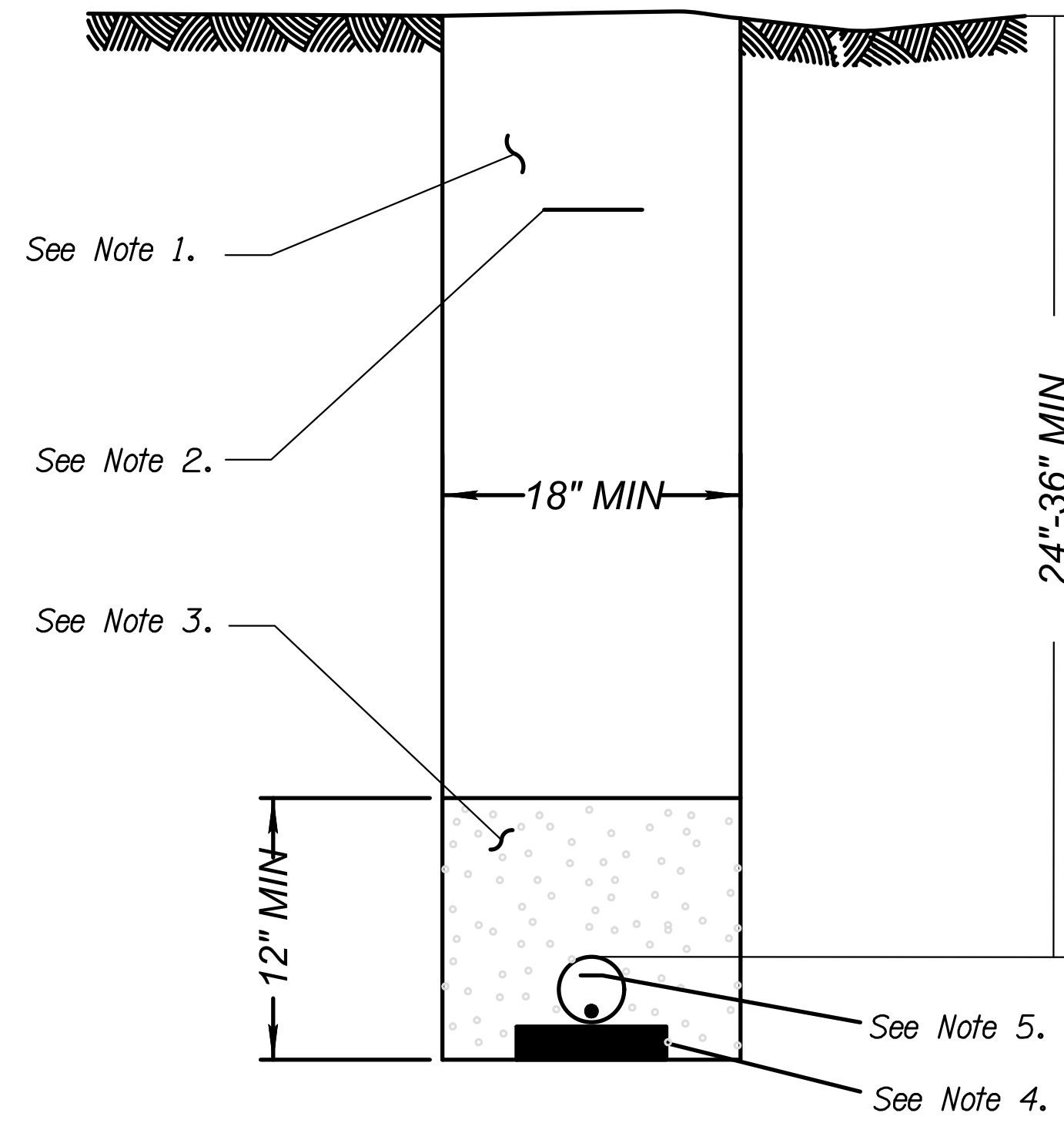
ITS DETAIL B

7-WAY MICRODUCT 18/14
N.T.S.



REVISIONS:		FINAL
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PLAN NAME		FINAL
MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS ITS DETAILS		
ENGINEER INFORMATION		
Kimley»Horn		
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500		
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	FINAL
AS-BUILT SEAL	DESIGN SEAL	
		FINAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	
PROJECT NUMBER CIP #105260	SHEET NUMBER 122 OF 133	COB PLAN TRACKING # N/A
		COB PERMIT # ENGMJRCIP-21-003

1-2" CONDUIT INSTALLATION



Notes:

1. Trench compaction shall meet backfill Type 1, per MAG Std. Spec Table 601.
2. 4 mil non-detectable plastic warning tape shall be placed 12" to 16" below finished subgrade. This shall be fiber optic specific and shall be permanently imprinted every 36" with "CAUTION BURIED FIBER OPTIC LINE BELOW"
3. Pipe zone material shall be 1/2 sack CLSM per MAG Std. Spec 728.
4. 2"x4"x8" masonry block at 5' spacing. Provide conduit trench spacer at all masonry block locations around all conduits.
5. All 2500 LB mule tape shall be installed in unused conduit after installation.
6. Excavated trench width shall not be less than 18".
7. #12 AWG tracer wire to be installed in 1-2" conduit.

ITS DETAIL C

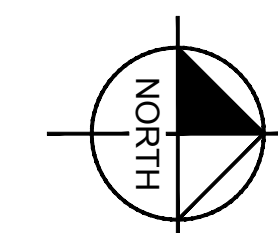
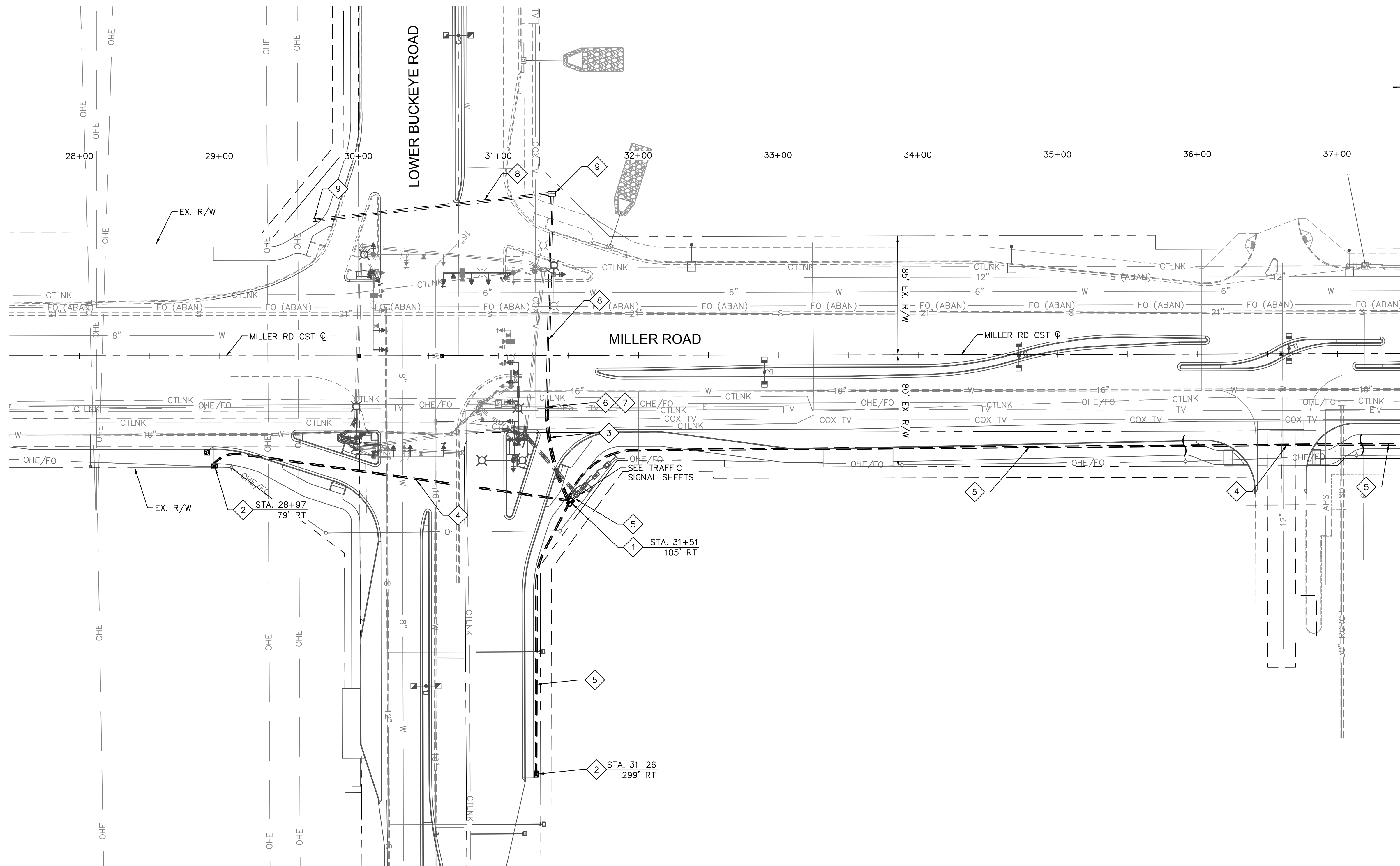
1-2" PVC CONDUIT OPEN TRENCH INSTALLATION
N.T.S.

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REVISIONS:		FINAL
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PLAN NAME MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS ITS DETAILS		
ENGINEER INFORMATION Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500		
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	FINAL
AS-BUILT SEAL	DESIGN SEAL Expires: 03/31/26	
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	SUBMITTAL # COB PLAN TRACKING # N/A COB PERMIT # ENG\MJRCIP-21-003
PROJECT NUMBER CIP #105260	SHEET NUMBER 123 OF 133	

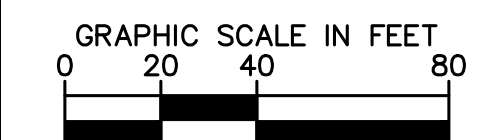
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MATCHLINE STA. 37+50 SEE SHEET 125

CONSTRUCTION NOTES

- | NO | DESCRIPTION |
|----|--|
| 1 | INSTALL NEW NO. 9 PULL BOX PER COB ITS DETAIL 66124-1 AND 66124-2. |
| 2 | INSTALL NEW NO. 7E PULL BOX PER COB ITS DETAIL 66121. |
| 3 | INSTALL NEW 3-2" CONDUITS BY TRENCHING. |
| 4 | INSTALL NEW (2) 7-WAY MICRODUCT BY DIRECTIONAL DRILL |
| 5 | INSTALL NEW (2) 7-WAY MICRODUCT BY TRENCHING |
| 6 | INTERCEPT EXISTING CONDUIT |
| 7 | REMOVE EXISTING NO 5 PULL BOX |
| 8 | PROTECT EXISTING ITS CONDUIT IN PLACE |
| 9 | PROTECT EXISTING ITS PULL BOX IN PLACE |



REVISIONS:

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PLAN NAME: MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
ITS IMPROVEMENTS

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
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AS-BUILT SEAL	DESIGN SEAL
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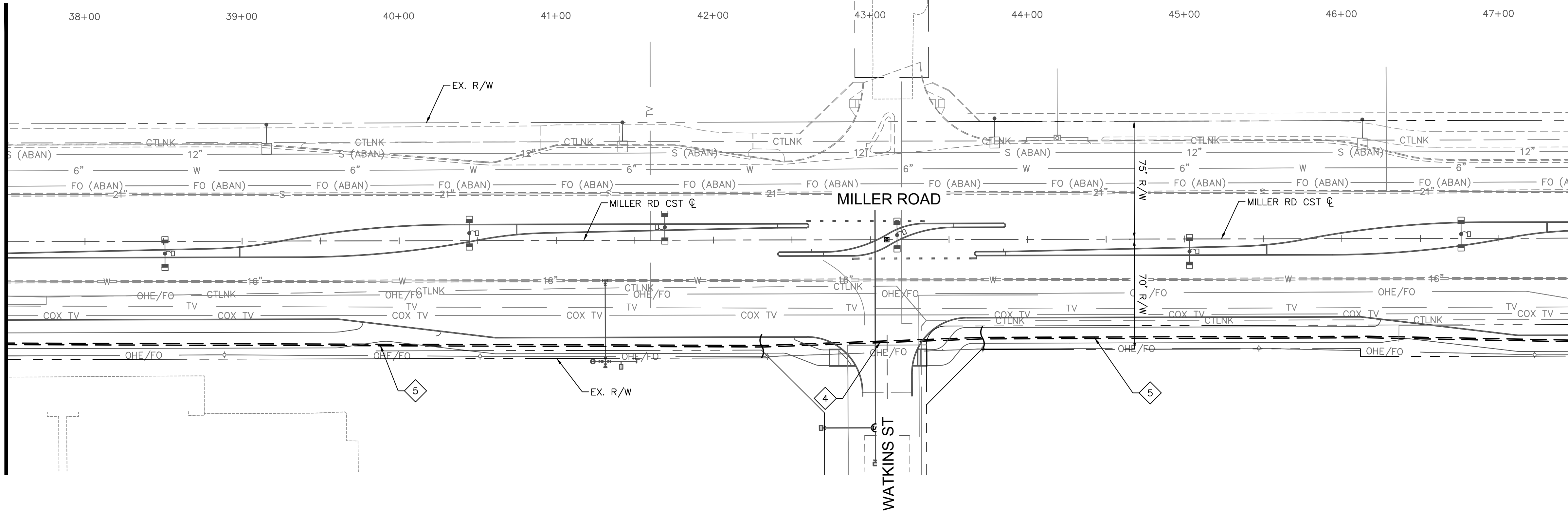
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 124 OF 133

SUBMITTAL: FINAL

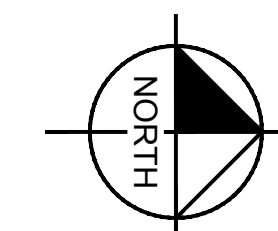
COB PLAN TRACKING #
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COB PERMIT #
ENGMJRCIP-21-003

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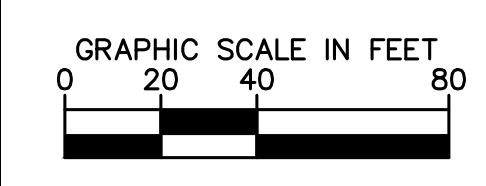
MATCHLINE STA. 37+50 SEE SHEET 124



MATCHLINE STA. 47+50 SEE SHEET 126



CONSTRUCTION NOTES	
NO	DESCRIPTION
4	INSTALL NEW (2) 7-WAY MICRODUCT BY DIRECTIONAL DRILL
5	INSTALL NEW (2) 7-WAY MICRODUCT BY TRENCHING



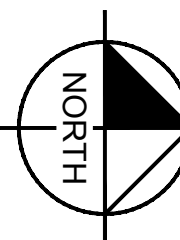
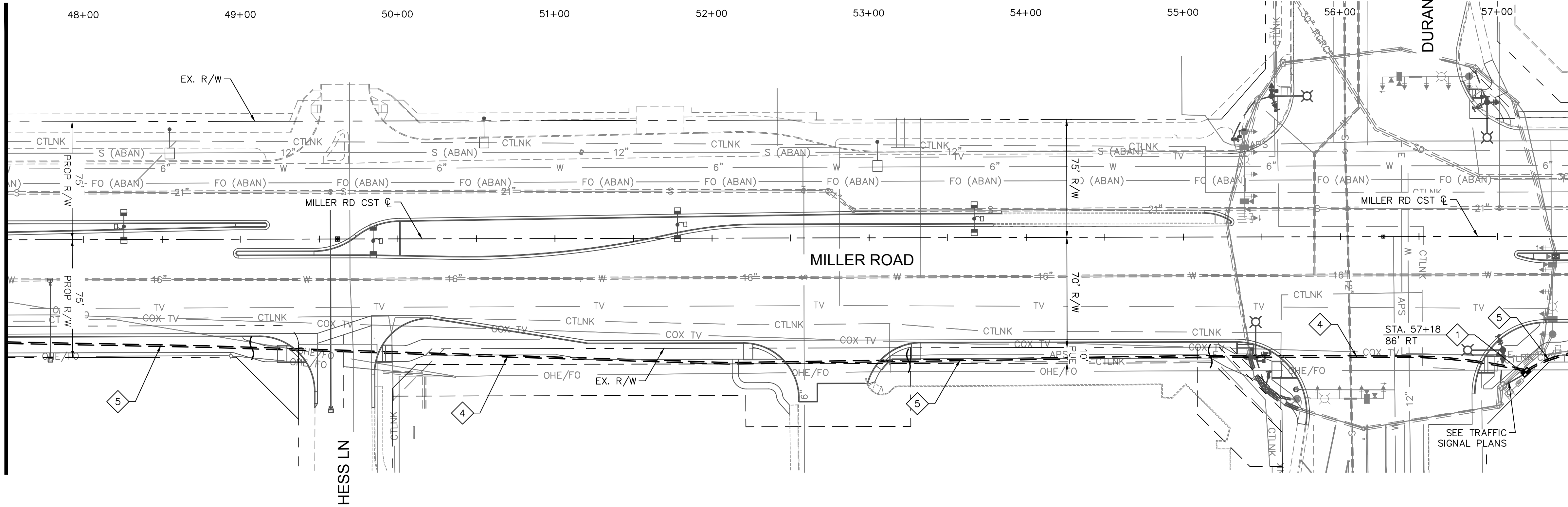
REVISIONS:	
1	
2	
3	

PLAN NAME: MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
ITS IMPROVEMENTS

ENGINEER INFORMATION		SUBMITTAL: FINAL
Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500 COB PERMITTING APPROVED SEAL COB ENGINEERING APPROVED SEAL		
AS-BUILT SEAL	DESIGN SEAL Expires: 03/31/26	COB PLAN TRACKING # N/A COB PERMIT # ENGMJRCIP-21-003
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE	
PROJECT NUMBER CIP #105260	SHEET NUMBER 125 OF 133	

K:\PHX_Roadway\191342026-Miller Rd - Lower Buckeye to Pima Final Design\Cadd\2-Sheets\Traffic\ITS03.dwg | 3/26/2024 | CHENG, EMA

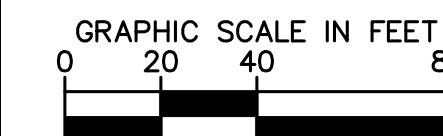
MATCHLINE STA. 47+50 SEE SHEET 125



MATCHLINE STA. 57+50 SEE SHEET 127

CONSTRUCTION NOTES

- | NO | DESCRIPTION |
|----|---|
| 1 | INSTALL NEW NO. 9 PULL BOX PER COB ITS DETAIL 66124-1 AND 66124-2 |
| 4 | INSTALL NEW (2) 7-WAY MICRODUCT BY DIRECTIONAL DRILL |
| 5 | INSTALL NEW (2) 7-WAY MICRODUCT BY TRENCHING |



REVISIONS:
1
2
3

PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 ITS IMPROVEMENTS**

ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL

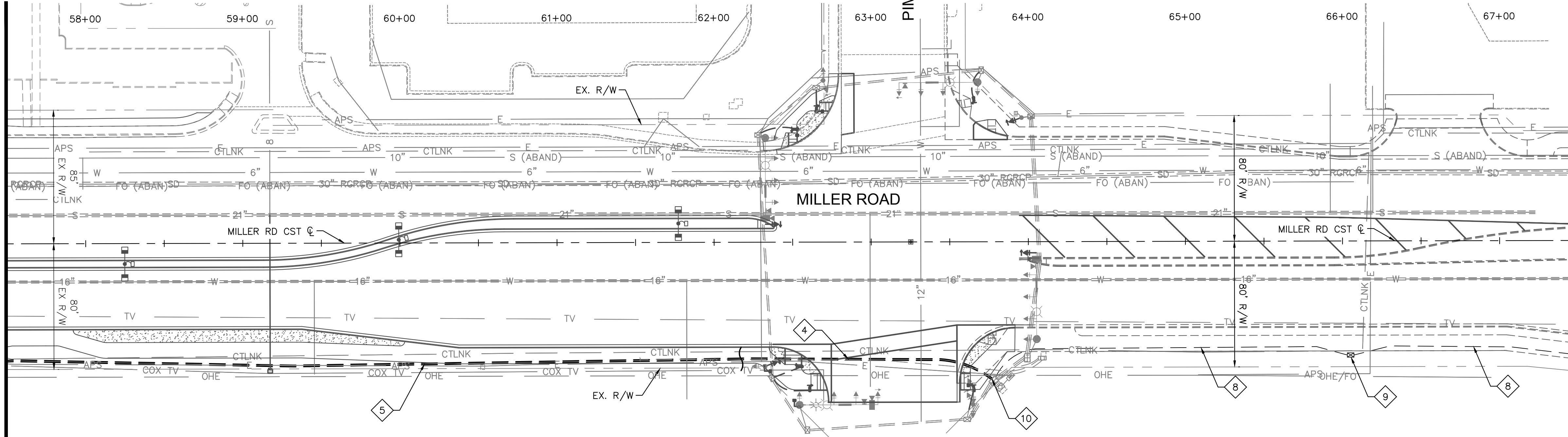


ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 126 OF 133

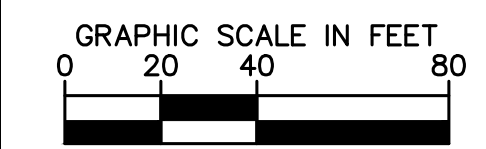
SUBMITTAL:
FINAL

COB PLAN TRACKING #
 N/A
 COB PERMIT #
 ENGMJRCIP-21-003

MATCHLINE STA. 57+50 SEE SHEET 126



CONSTRUCTION NOTES	
NO	DESCRIPTION
4	INSTALL NEW (2) 7-WAY MICRODUCT BY DIRECTIONAL DRILL
5	INSTALL NEW (2) 7-WAY MICRODUCT BY TRENCHING
8	PROTECT EXISTING ITS CONDUIT IN PLACE
9	PROTECT EXISTING ITS PULL BOX IN PLACE
10	ROUTE CONDUIT TO EXISTING VAULT

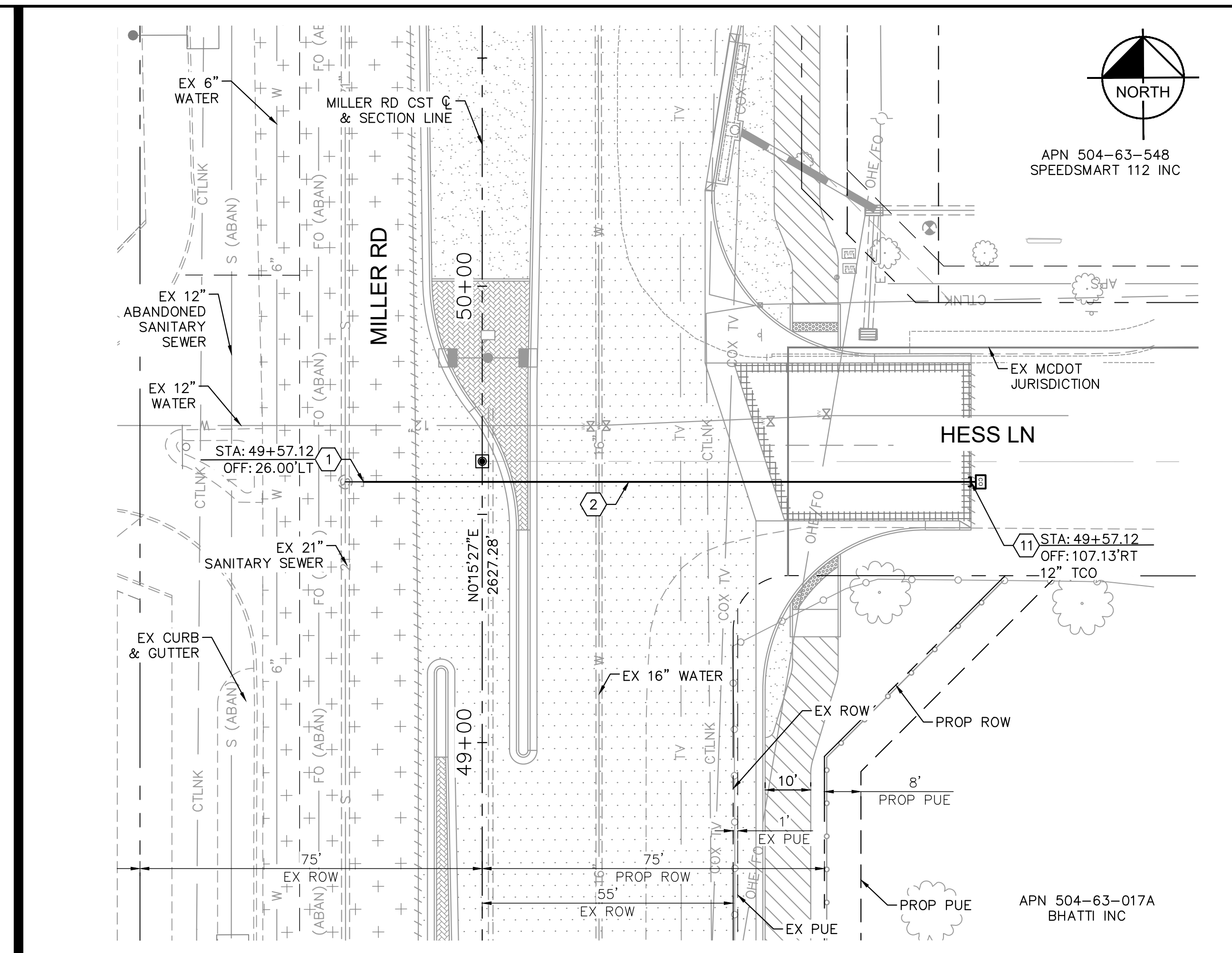
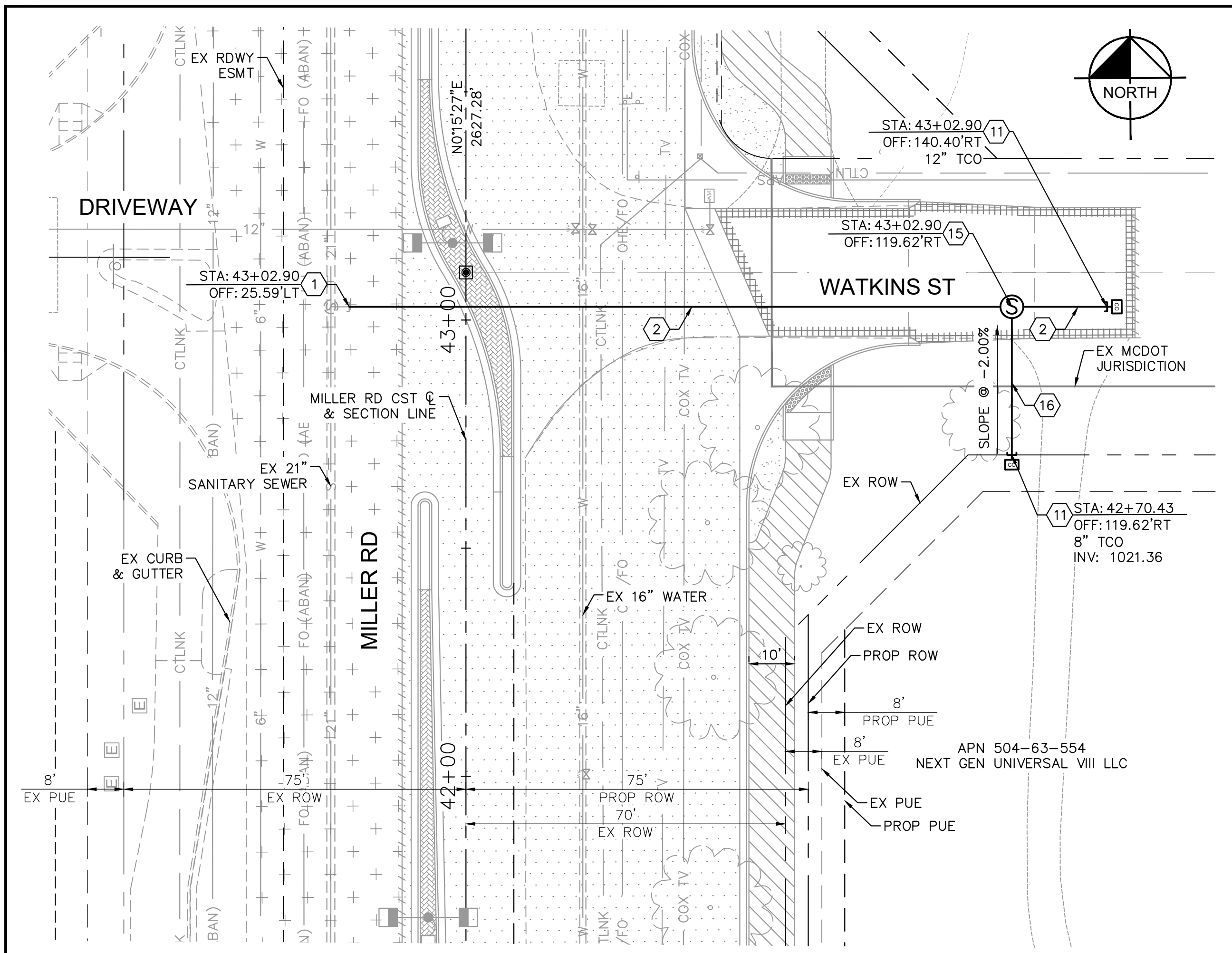


REVISIONS:	
1	
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PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 ITS IMPROVEMENTS**

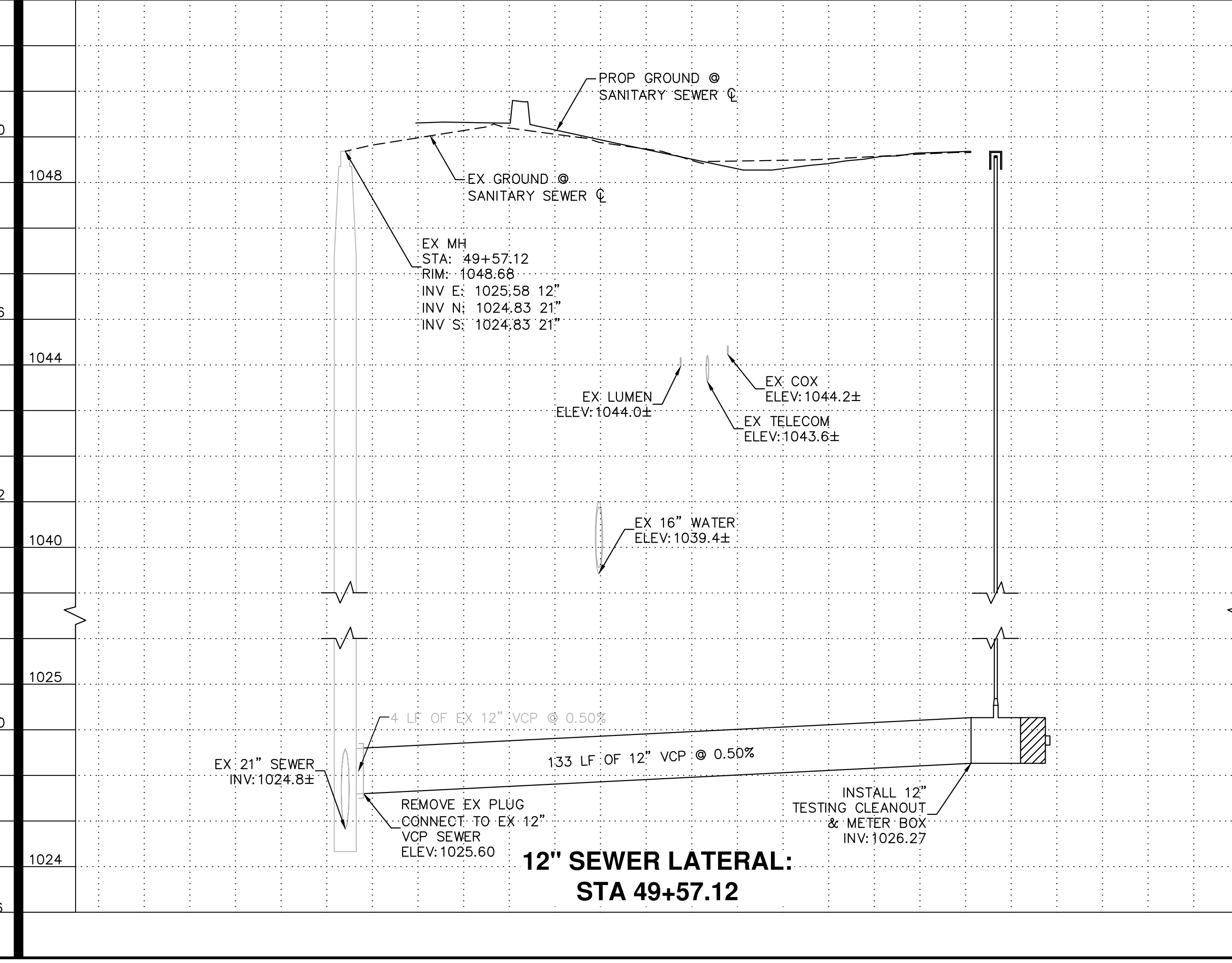
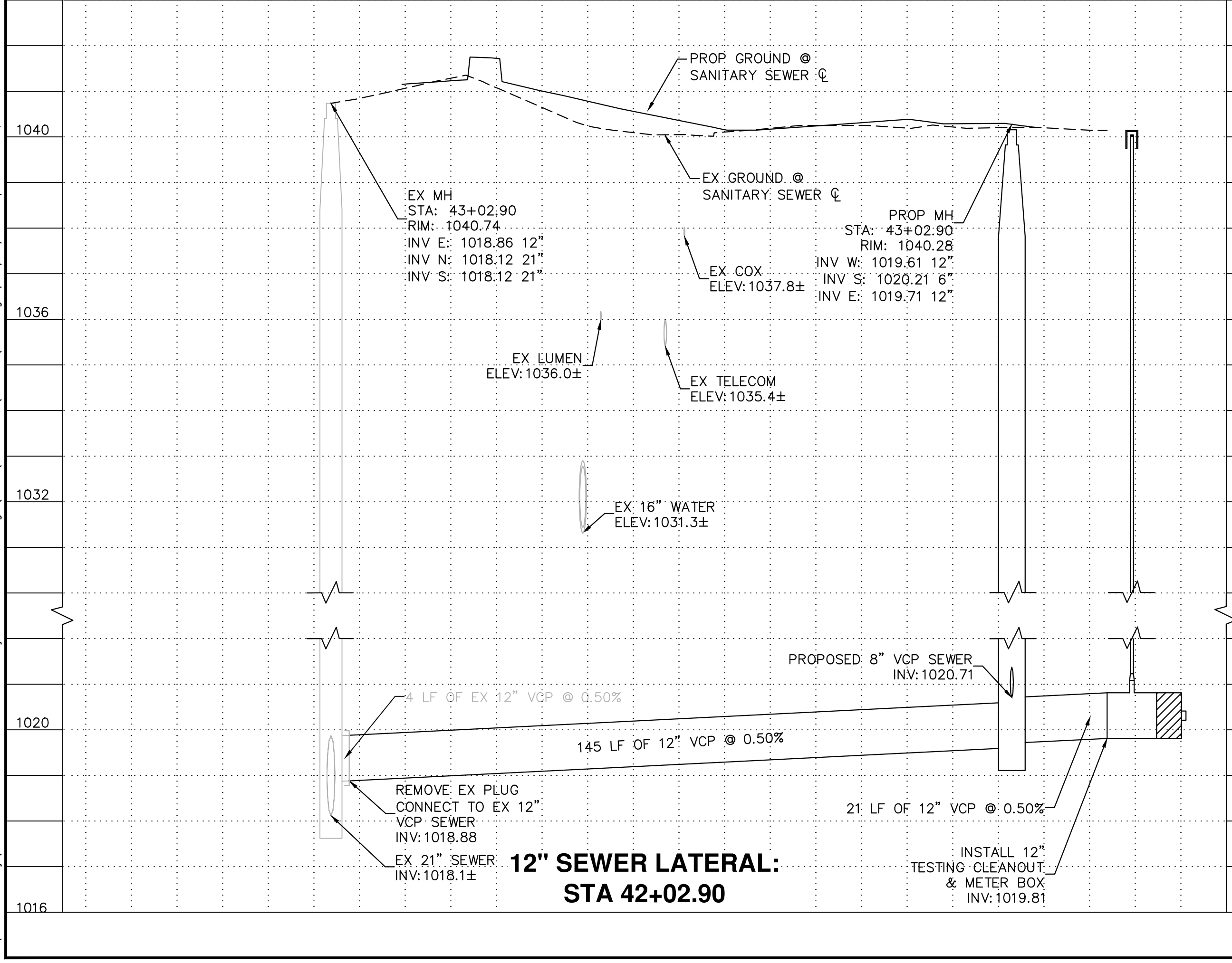
ENGINEER INFORMATION	
Kimley»Horn 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 602-944-5500	
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL
ORIGINAL PLAN DATE 3/28/2024	LATEST REVISION DATE
PROJECT NUMBER CIP #105260	SHEET NUMBER 127 OF 133
SUBMITTAL: FINAL	
COB PLAN TRACKING # N/A	
COB PERMIT # ENGMJRCIP-21-1003	

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CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
1	REMOVE PLUG, CONNECT TO EXISTING 12\"/>		

NOTES:
 1. CONTRACTOR TO LOCATE AND FIELD VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 2. MANHOLE TO BE COATED WITH CITY OF BUCKEYE APPROVED COATING. MANHOLE COATING IS REQUIRED TO BE PLACED ON THE ENTIRE INTERIOR OF THE MANHOLE. THERE SHALL BE NO EXPOSED CONCRETE. ALL COATED MANHOLES SHALL BE TESTED PER AAC TITLE 18.
 3. SEE SHEETS 8-48 FOR ROADWAY IMPROVEMENTS.



HORIZ. 0 10 20 40
 VERT. 0 1 2 4
 H: 1"=20'
 V: 1"=2'

REVISIONS:

1	
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3	

PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS SANITARY SEWER PLAN & PROFILE

ENGINEER INFORMATION: **Kimley»Horn**
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

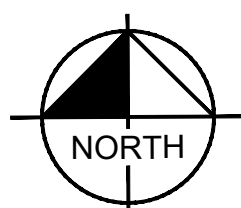
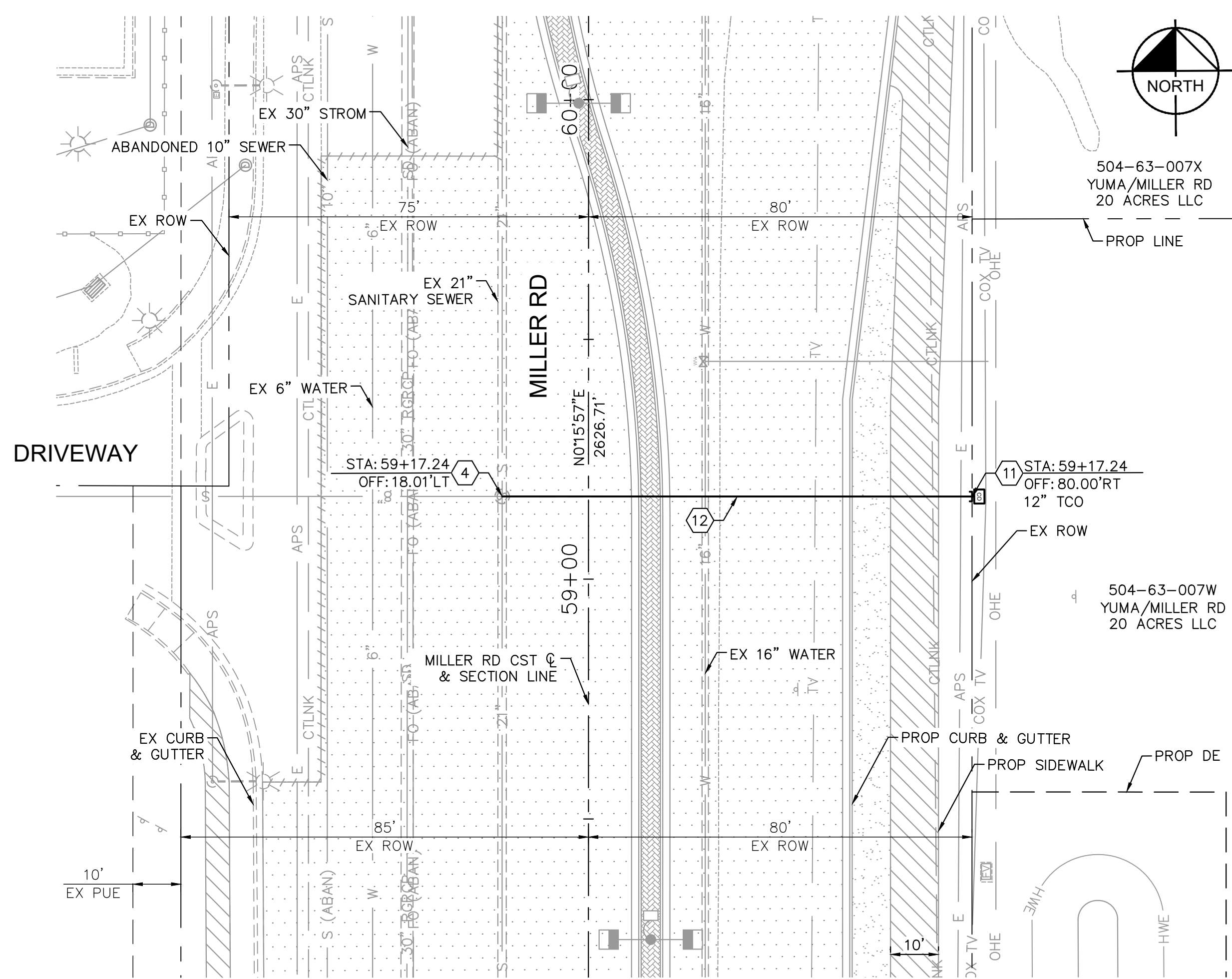
1040	COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
1025	AS-BUILT SEAL	DESIGN SEAL

REGISTERED PROFESSIONAL ENGINEER
 CERTIFICATE NO. 77040
 BRYAN D. BRUNSON
 LICENSE NO. 037825
 ARIZONA, U.S.A.
 Expires 12/31/25

ORIGINAL PLAN DATE: 03/28/2024
 LATEST REVISION DATE: [Blank]
 PROJECT NUMBER: CIP #105260
 SHEET NUMBER: 128 OF 133

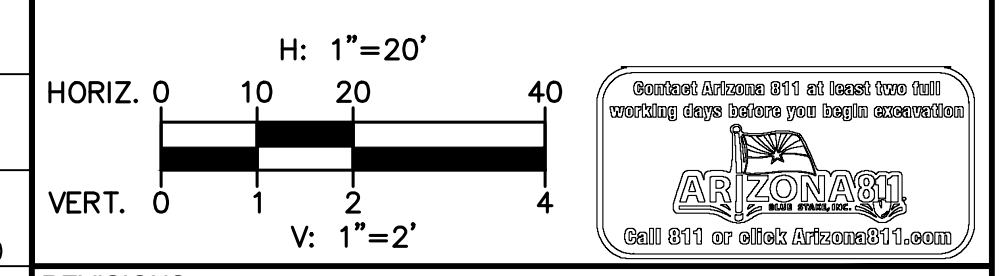
COB PLAN TRACKING # [Blank]
 COB PERMIT # [Blank]
 ENGINEER: ENGMJRCIP-21-003

FINAL



CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
2	INSTALL 12" VCP SANITARY SEWER LINE (ASTM C700), TYPE III TRENCH PER COB DTL 41300-1 & 41300-2	LF	98
4	CONNECT TO EXISTING 5' DIA. POLYMER MANHOLE. CORE DRILL MANHOLE CONNECTION.	EA	1
11	INSTALL TESTING CLEANOUT AND METER BOX PER COB DTL 41270. SIZE AS NOTED	EA	2

NOTES:
 1. CONTRACTOR TO LOCATE AND FIELD VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 2. SEE SHEETS 8-48 FOR ROADWAY IMPROVEMENTS.

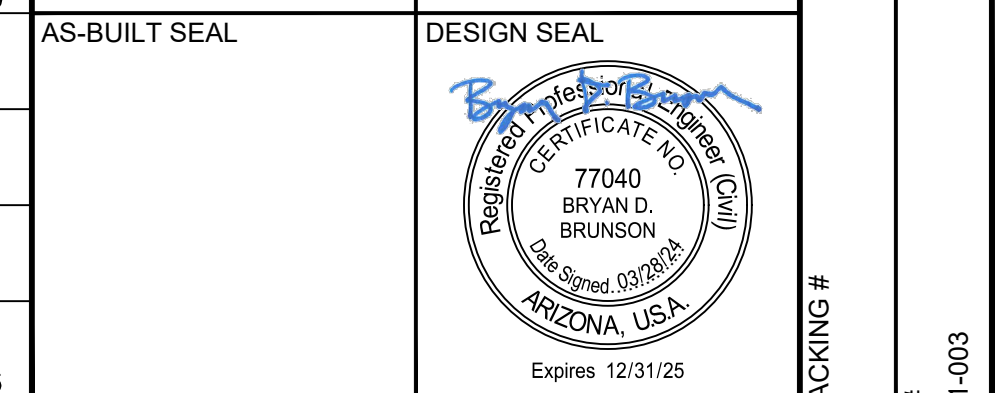


REVISIONS:	
1	
2	
3	

PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 SANITARY SEWER PLAN & PROFILE**

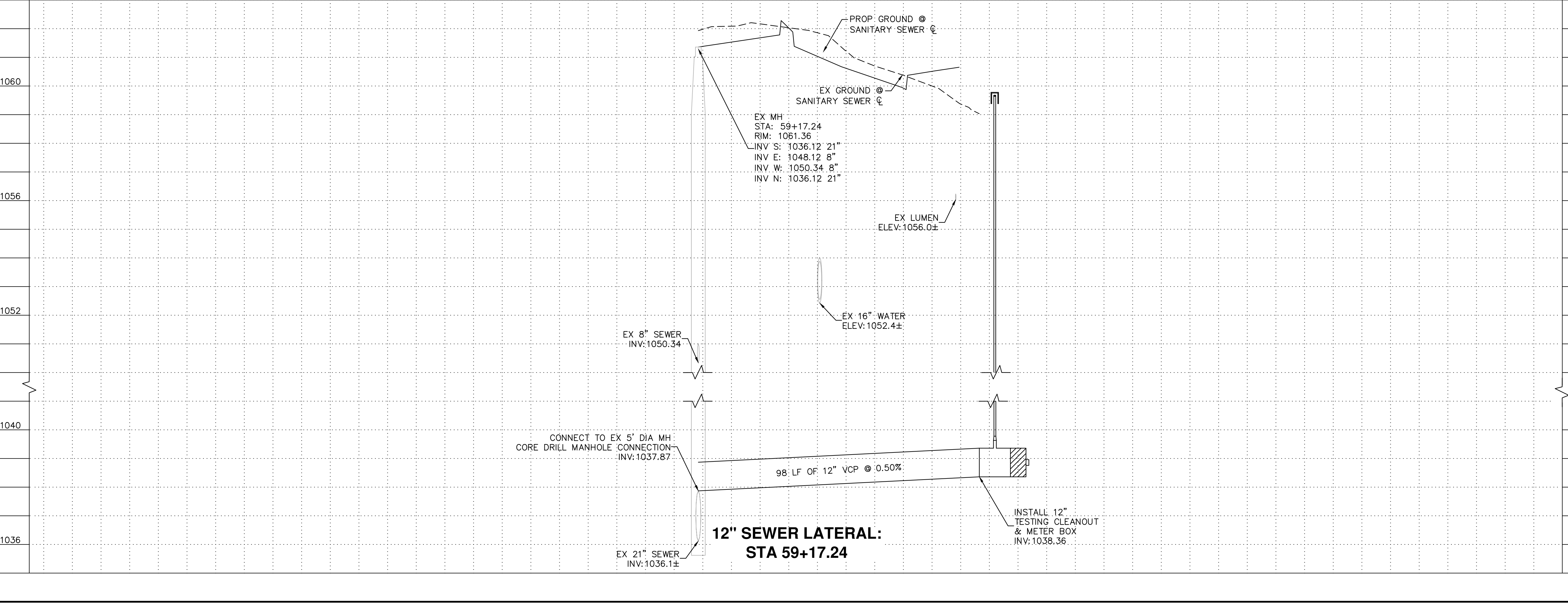
ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

1052	COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL	FINAL
1040	AS-BUILT SEAL	DESIGN SEAL	

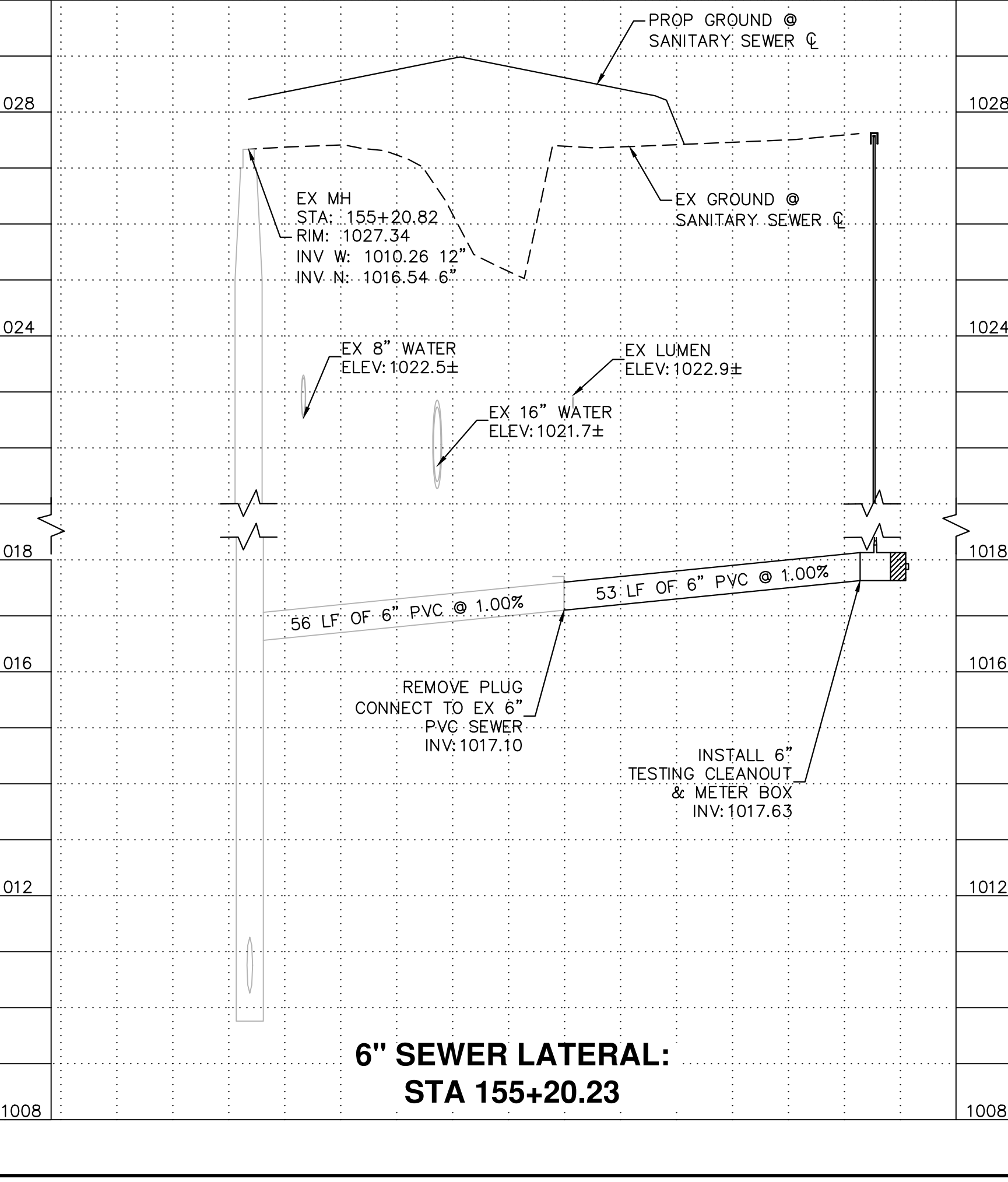
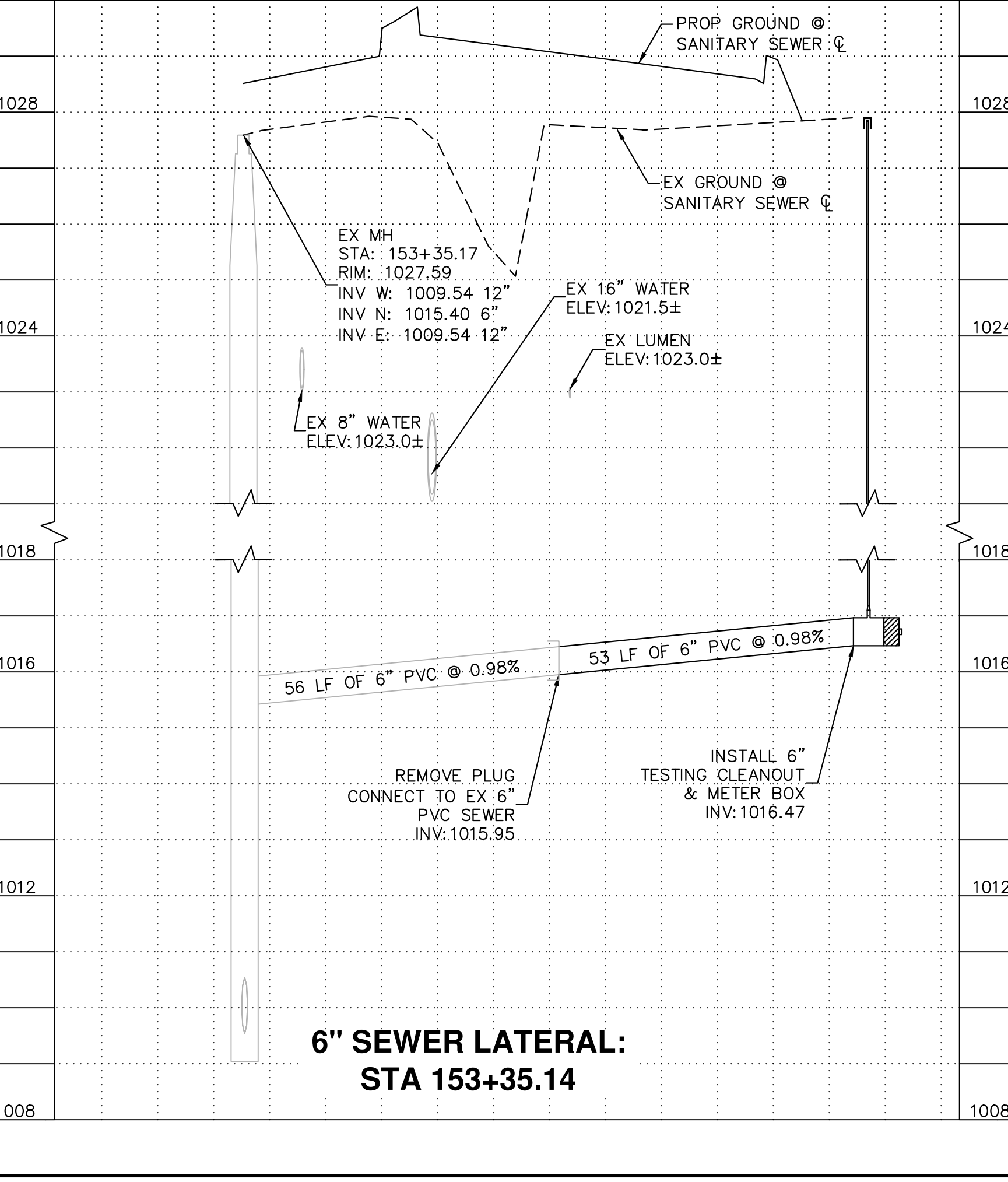
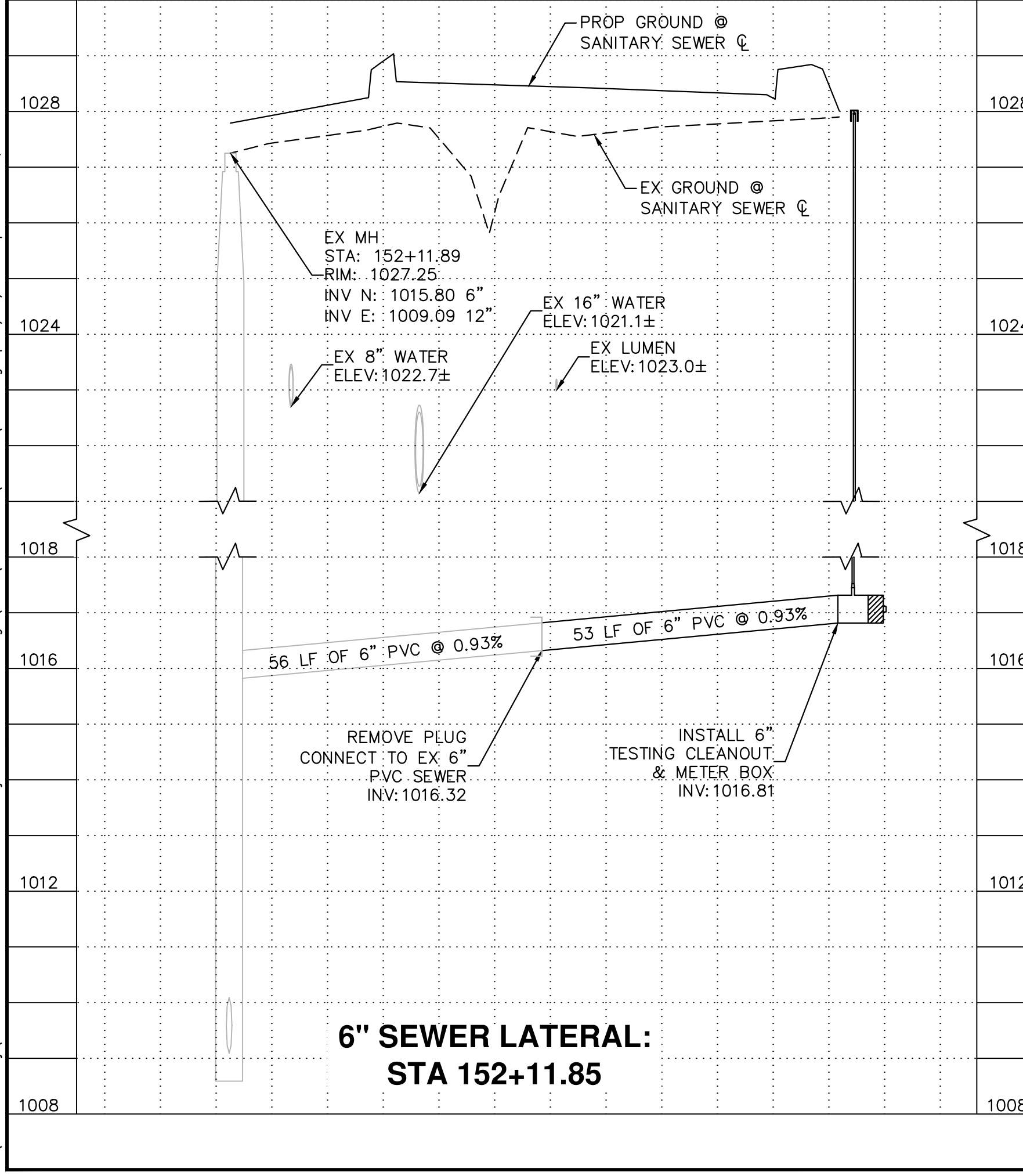
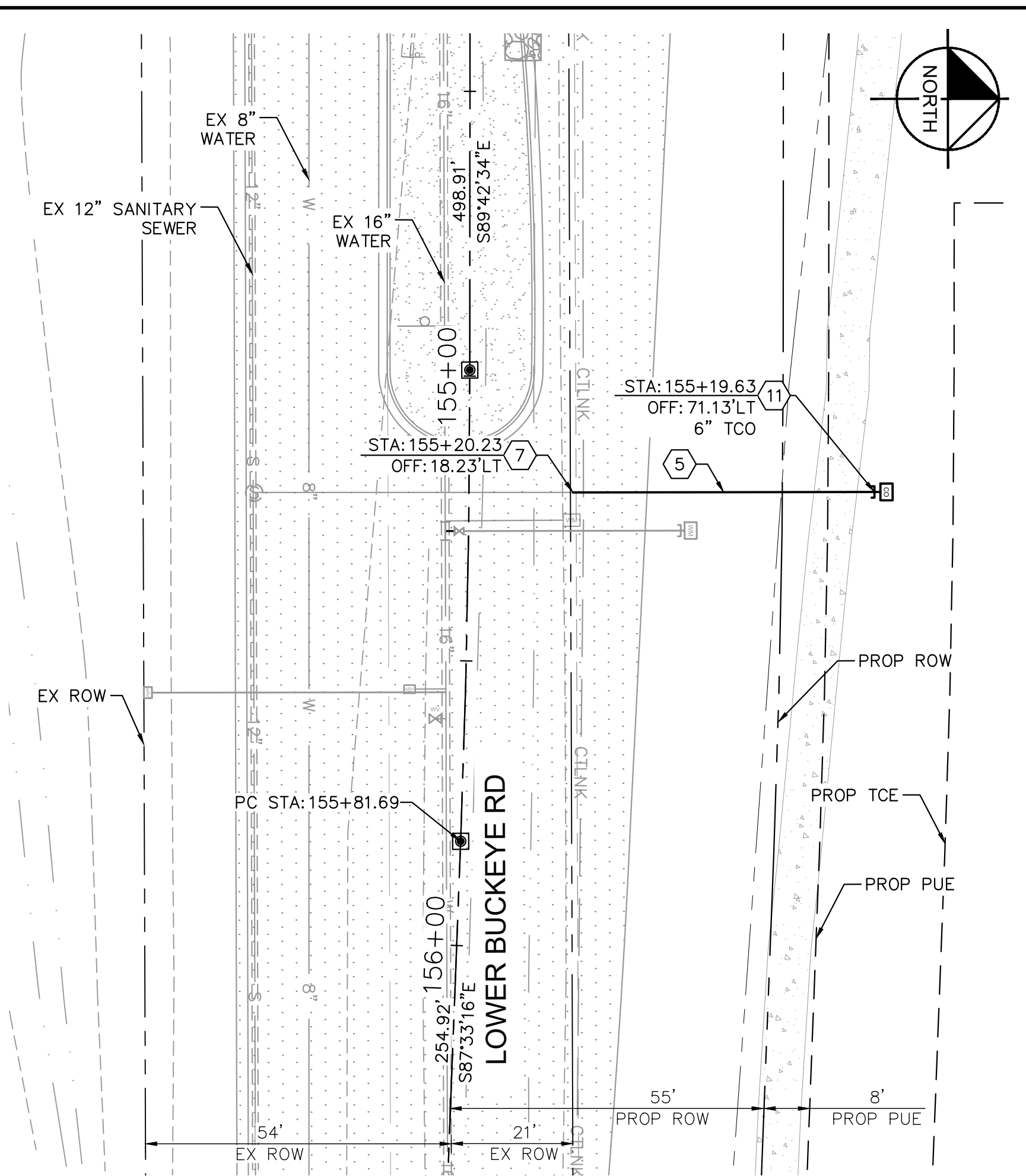
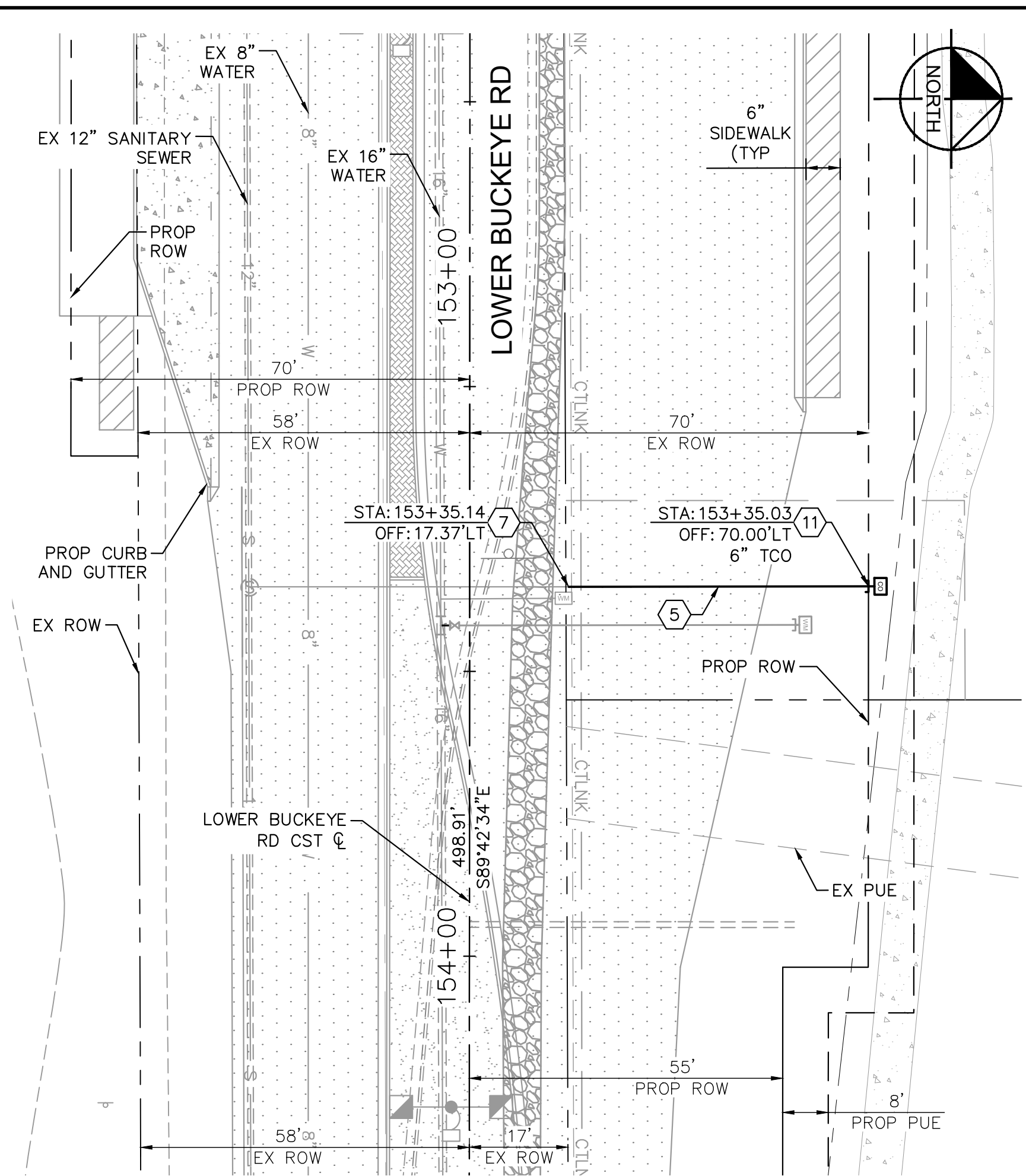
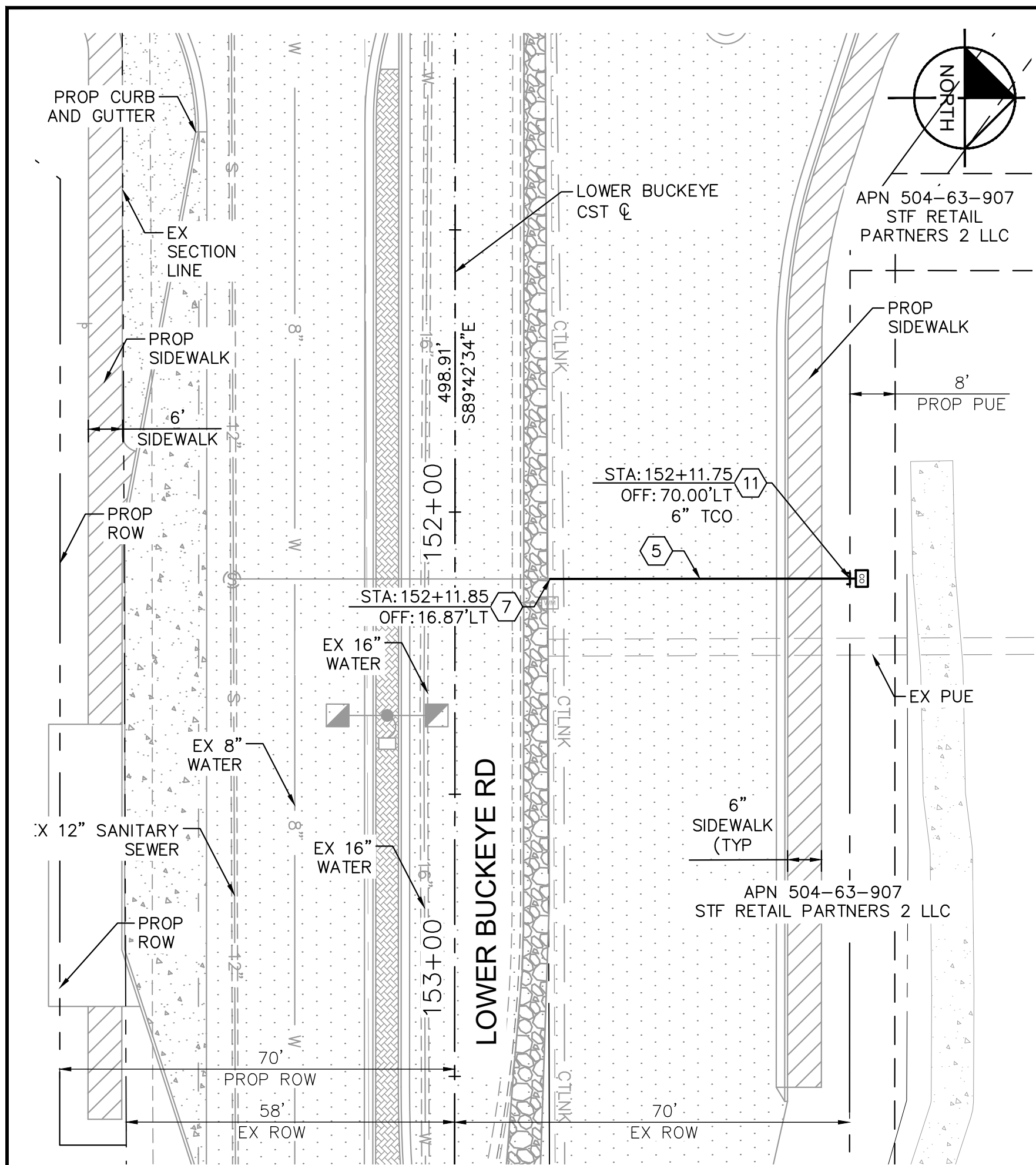


1036	ORIGINAL PLAN DATE 03/28/2024	LATEST REVISION DATE
	PROJECT NUMBER CIP #105260	SHEET NUMBER 129 OF 133

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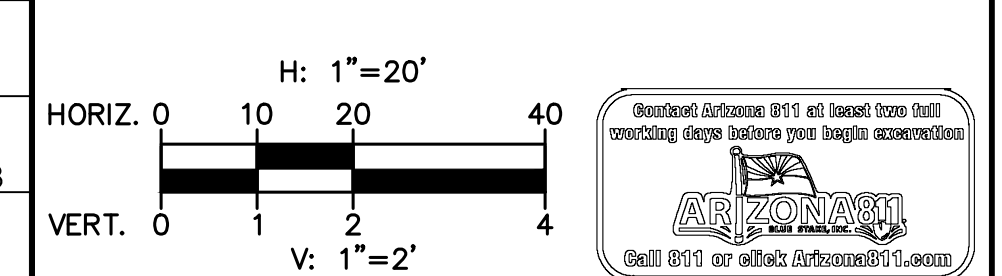


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CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
5	INSTALL 6" PVC SDR 26 SANITARY SEWER LINE, TYPE IV TRENCH PER COB DTL 41300-3	LF	160
7	REMOVE PLUG, CONNECT TO EXISTING 6" PVC SANITARY SEWER PIPE	EA	3
11	INSTALL TESTING CLEANOUT AND METER BOX PER COB DTL 41270. SIZE AS NOTED	EA	3

NOTES:
 1. CONTRACTOR TO LOCATE AND FIELD VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 2. SEE SHEETS 8-48 FOR ROADWAY IMPROVEMENTS.



1
2
3

PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS SANITARY SEWER PLAN & PROFILE

ENGINEER INFORMATION: **Kimley-Horn**
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL: [Signature]
 COB ENGINEERING APPROVED SEAL: [Signature]

AS-BUILT SEAL: [Blank]
 DESIGN SEAL: [Signature]

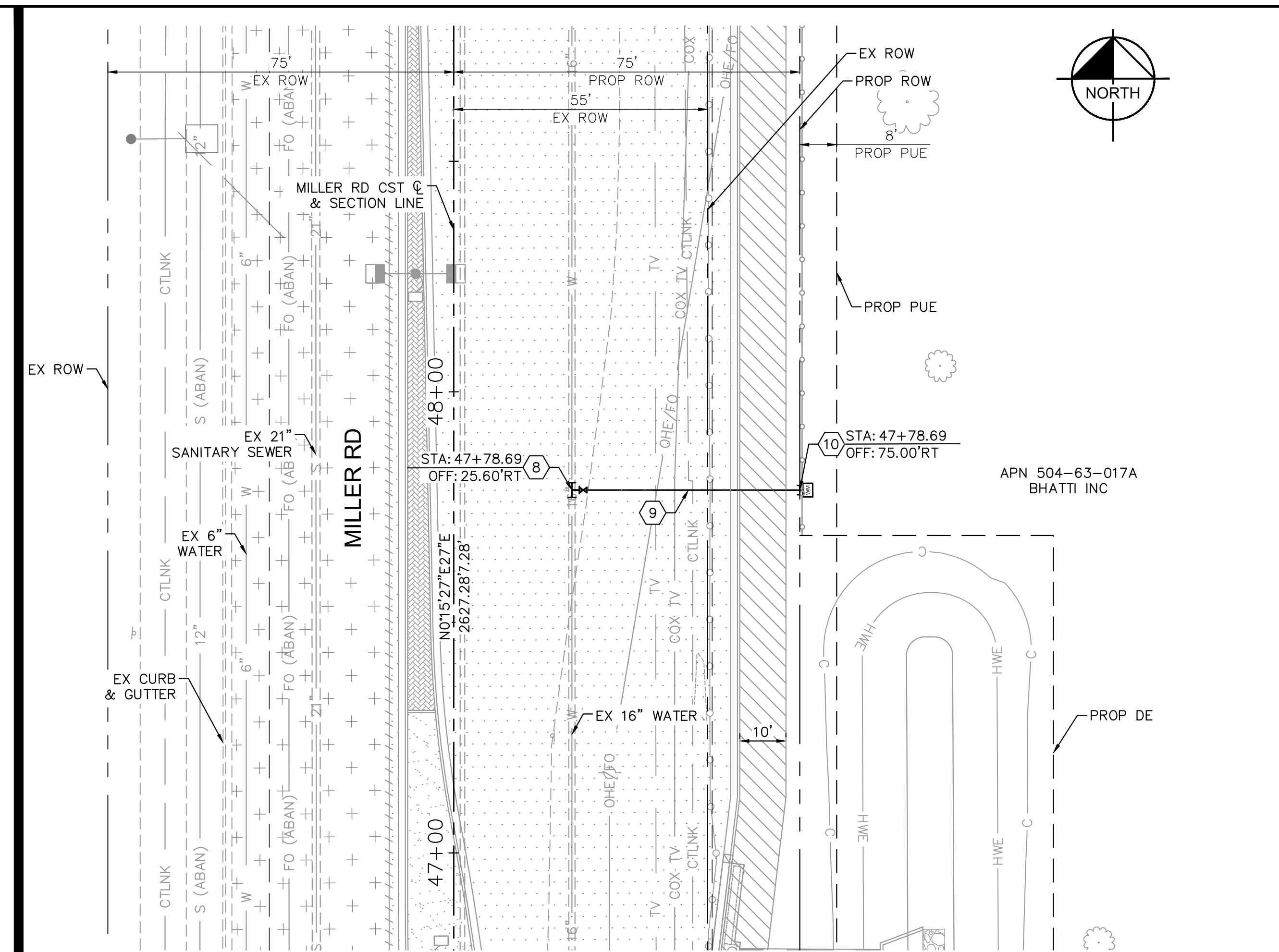
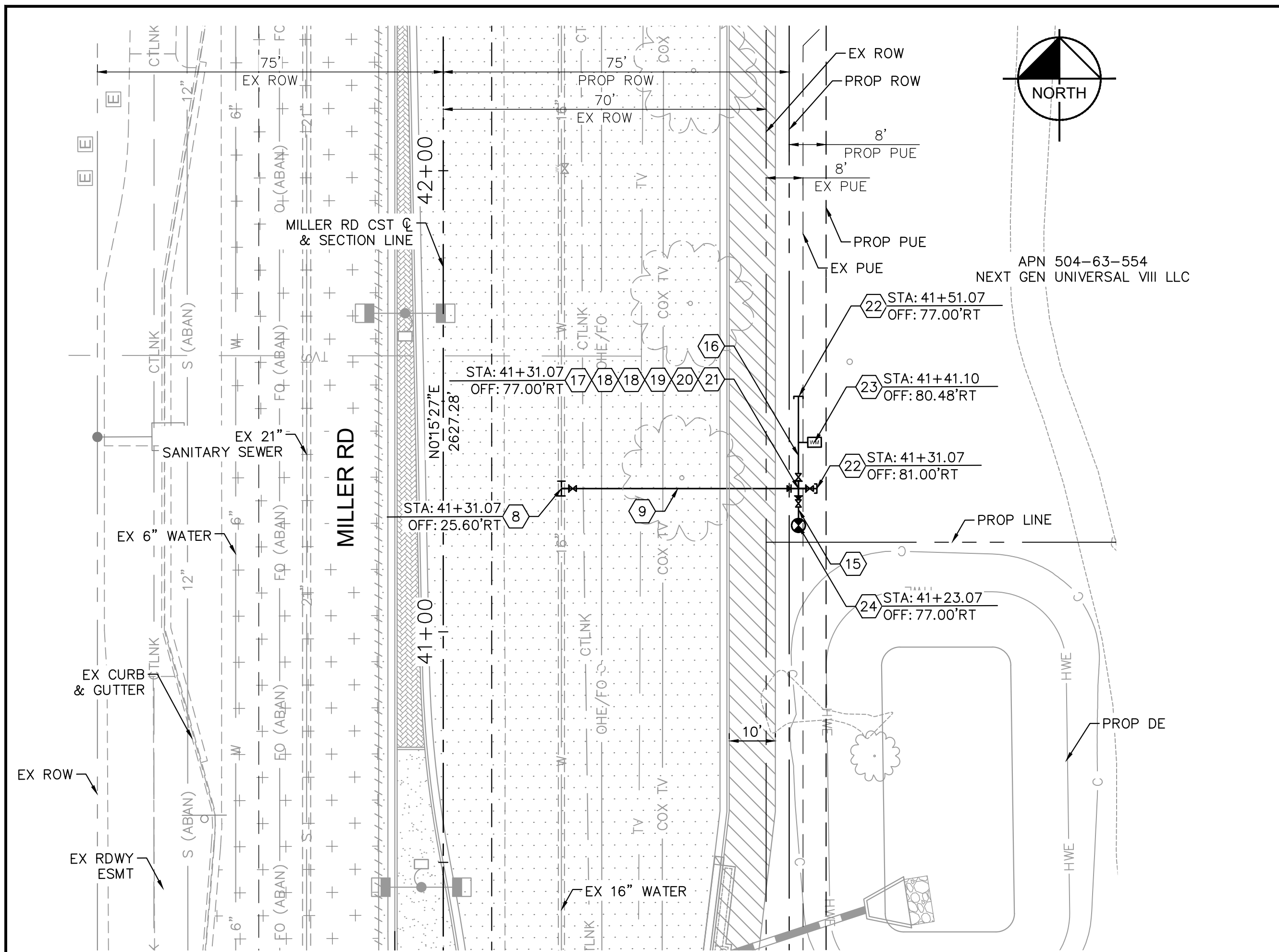
ORIGINAL PLAN DATE: 03/28/2024
 LATEST REVISION DATE: [Blank]

PROJECT NUMBER: CIP #105260
 SHEET NUMBER: 130 OF 133

SUBMITTAL: **FINAL**

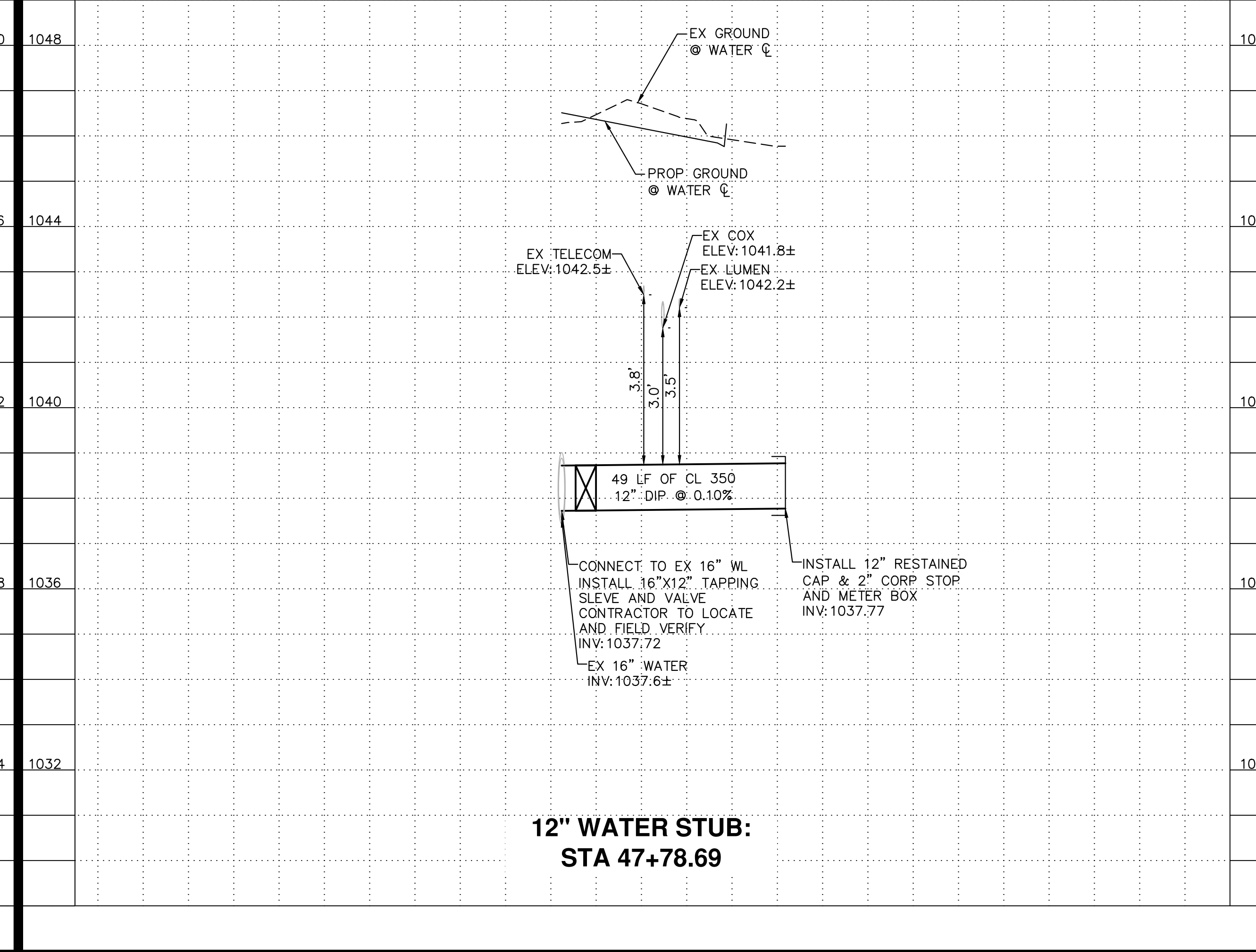
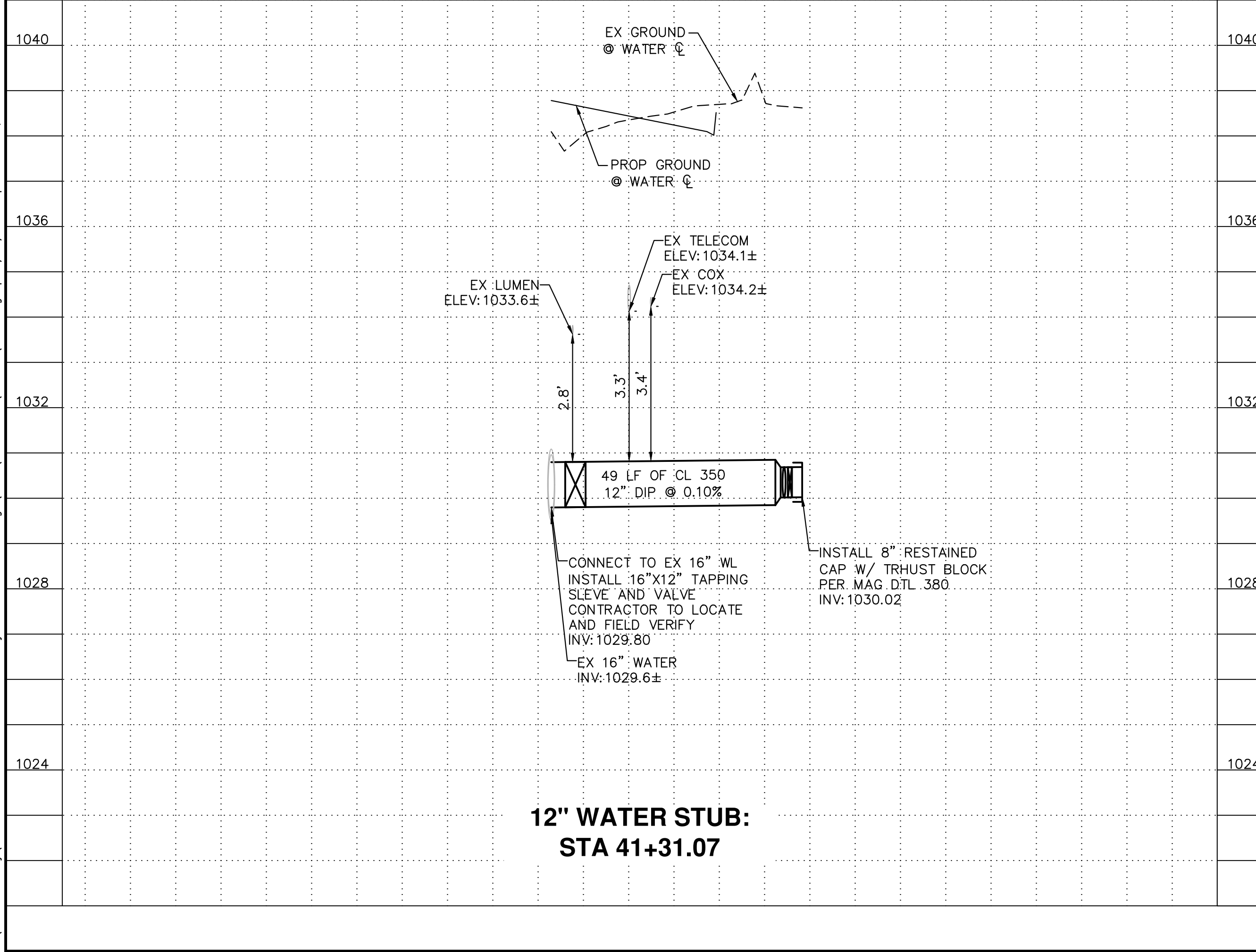
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 COB PERMIT # [Blank]
 ENG/MJRC/P-21-1003

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CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
8	16"X 12" TAPPING SLEEVE & VALVE PER COB STD DTL 31344.	EA	2
9	INSTALL CLASS 350 12" DIP WATERLINE, W/POLY WRAP. TRENCH PER COB STD DTL 31380.	LF	101
10	INSTALL 12" RESTRAINED CAP & CURB STOP WITH FLUSHING PIPE PER MAG DTL 390 TYPE A.	EA	1
15	INSTALL CLASS 350 6" DIP WATERLINE, W/POLY WRAP. TRENCH PER COB STD DTL 31380.	LF	8
16	INSTALL CLASS 350 8" DIP WATERLINE, W/POLY WRAP. TRENCH PER COB STD DTL 31380.	LF	25
17	INSTALL 6" GATE VALVE & BOX. BLOCKING PER MAG DTL 301.	EA	1
18	INSTALL 8" GATE VALVE & BOX. BLOCKING PER MAG DTL 301.	EA	2
19	INSTALL 8"x8" CROSS (NPI).	-	-
20	INSTALL 12"x8" CONCENTRIC REDUCER (NPI).	-	-
21	INSTALL 8"x6" CONCENTRIC REDUCER (NPI).	-	-
22	INSTALL 8" RESTRAINED MJ CAP W/ THRUST BLOCK PER MAG DTL 380.	-	-
23	INSTALL 1" WATER SERVICE & METER BOX PER COB STD DTL 31330, 31331-1, & 31331-2.	EA	1
24	INSTALL FIRE HYDRANT PER MAG DTL 360-1, 360-3, COB STD DTL 31410, 31412, & 31414.	EA	1

NOTES:
 1. CONTRACTOR TO LOCATE AND FIELD VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 2. ALL WATERLINES ON THIS SHEET SHALL BE CONSTRUCTED WITH RESTRAINED JOINTS.
 3. SEE SHEETS 8-48 FOR ROADWAY IMPROVEMENTS.
 4. WHEN CONNECTING TO OR REPLACING EXISTING WATER MAINS, EXTREME CAUTION SHOULD BE TAKEN TO ASSURE MINIMUM DISRUPTION AND DOWN TIME TO EXISTING CUSTOMERS. IN MOST CASES, MAXIMUM DOWN TIME WILL BE EIGHT HOURS. IN EXTREME CASES, MAXIMUM ALLOWABLE DOWN TIME WILL BE TWELVE HOURS. ALL OUTAGES SHALL BE COORDINATED WITH THE CITY WATER RESOURCES DEPARTMENT.



HORIZ. 0 10 20 40
 VERT. 0 1 2 4
 H: 1"=20'
 V: 1"=2'

REVISIONS:
 1
 2
 3

PLAN NAME
**MILLER ROAD
 LOWER BUCKEYE ROAD TO PIMA STREET
 ROADWAY IMPROVEMENTS
 WATER PLAN & PROFILE**

ENGINEER INFORMATION
Kimley»Horn
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL

7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500
 77040 BRYAN D. BRUNSON
 REGISTERED PROFESSIONAL ENGINEER
 LICENSE NO. 037802
 ARIZONA, U.S.A.
 Expires 12/31/25

ORIGINAL PLAN DATE
 03/28/2024

LATEST REVISION DATE

PROJECT NUMBER
 CIP #105260

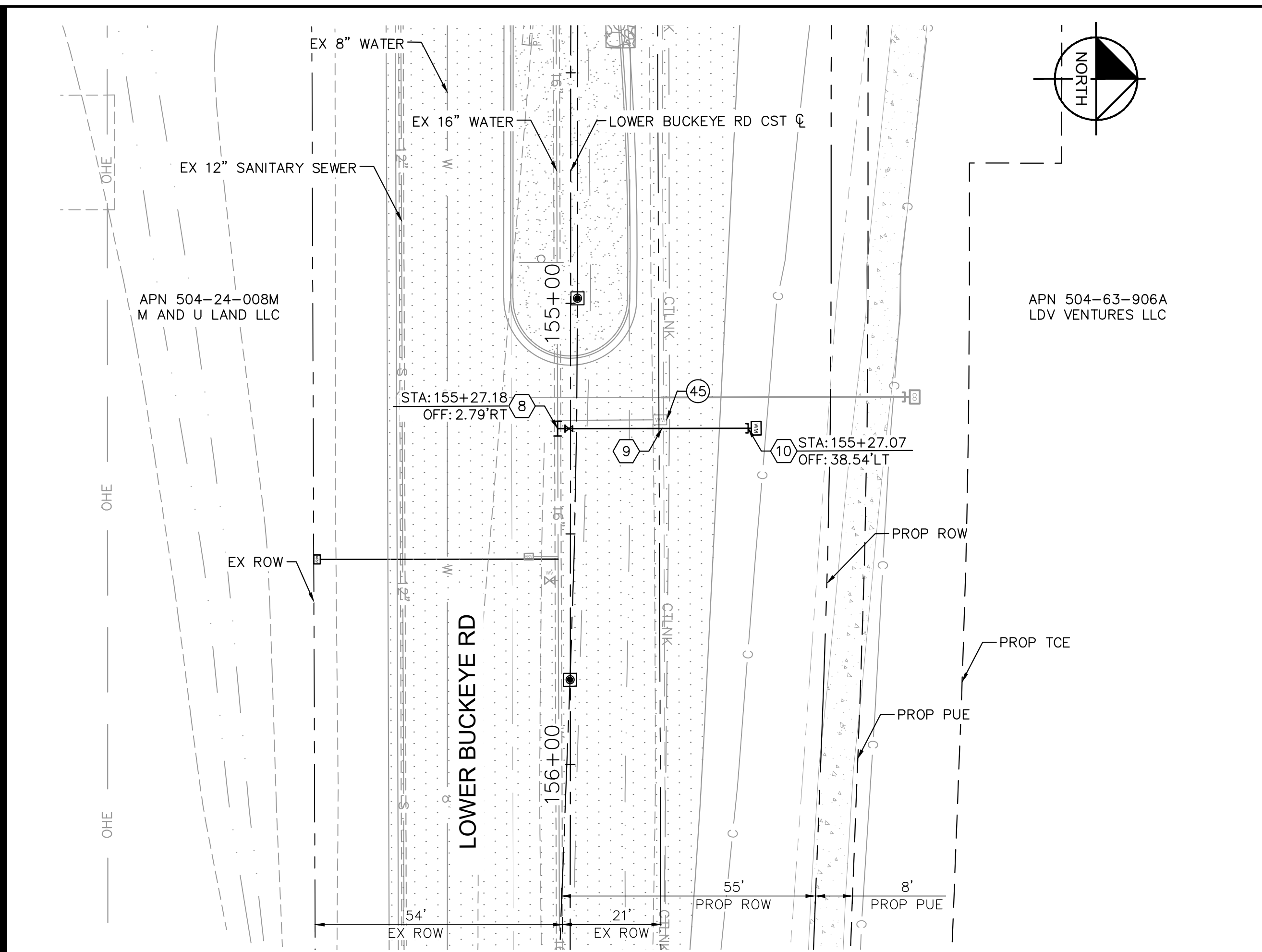
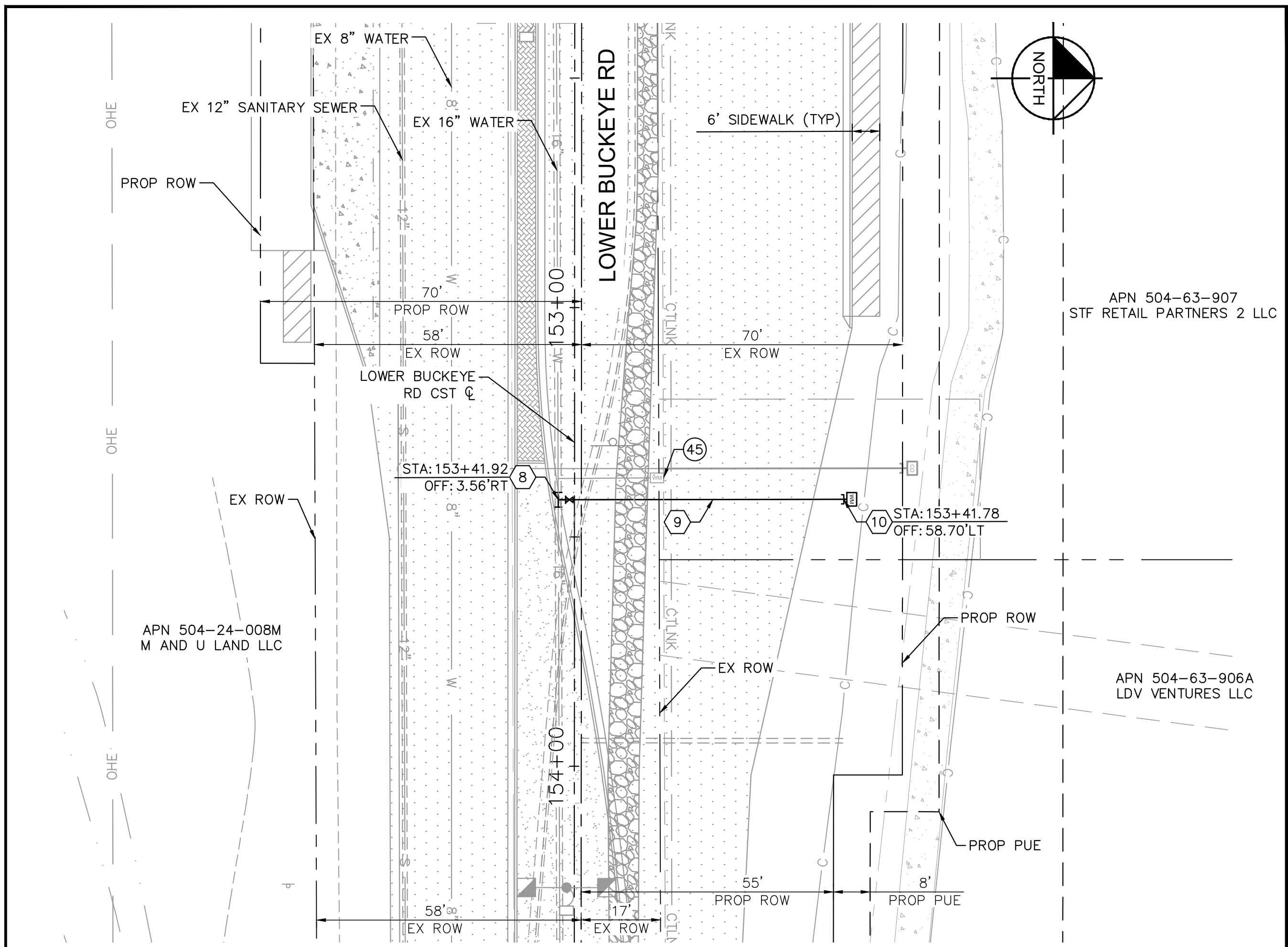
SHEET NUMBER
 131 OF 133

COB PLAN TRACKING #
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COB PERMIT #
 ENGMJRCIP-21-003

FINAL

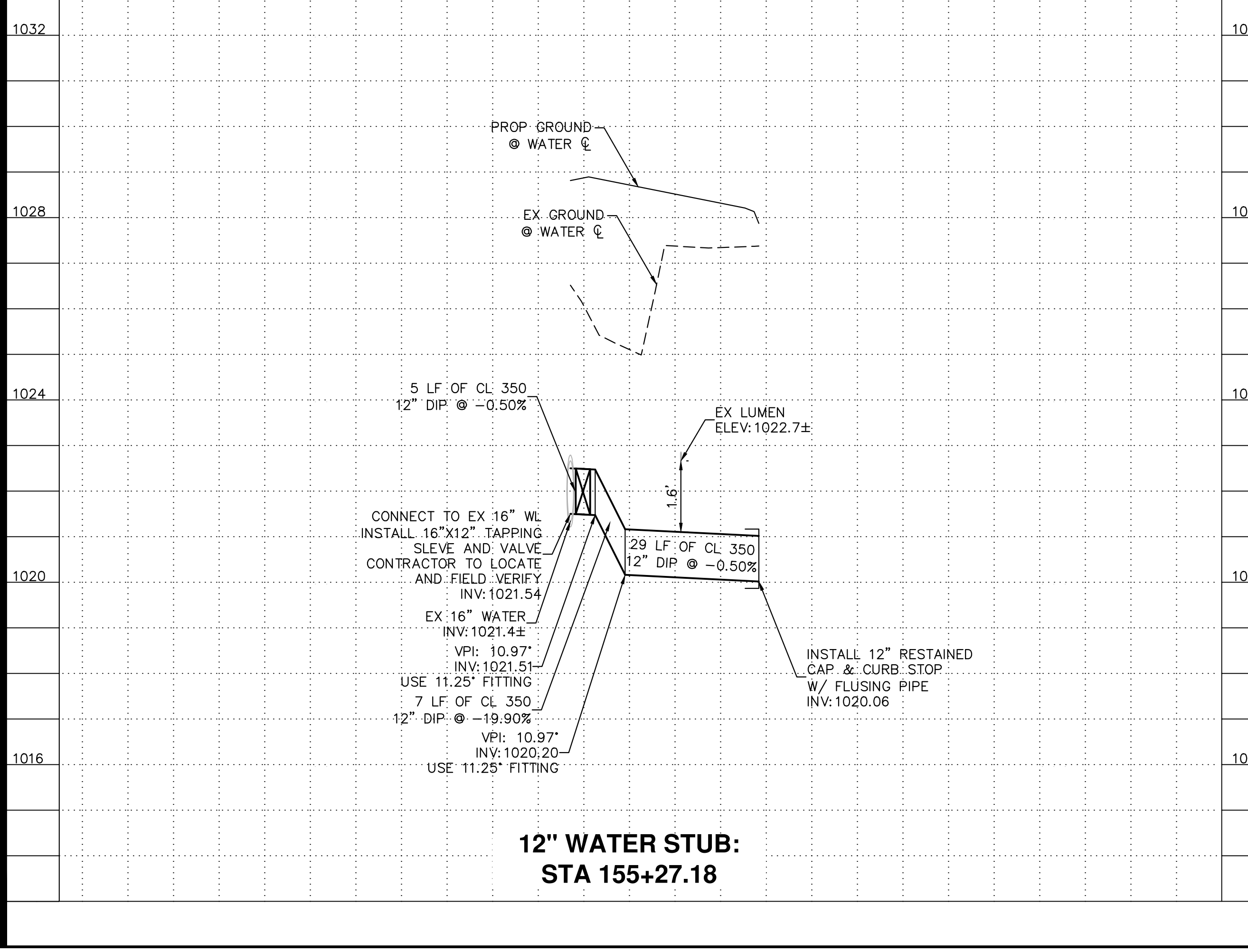
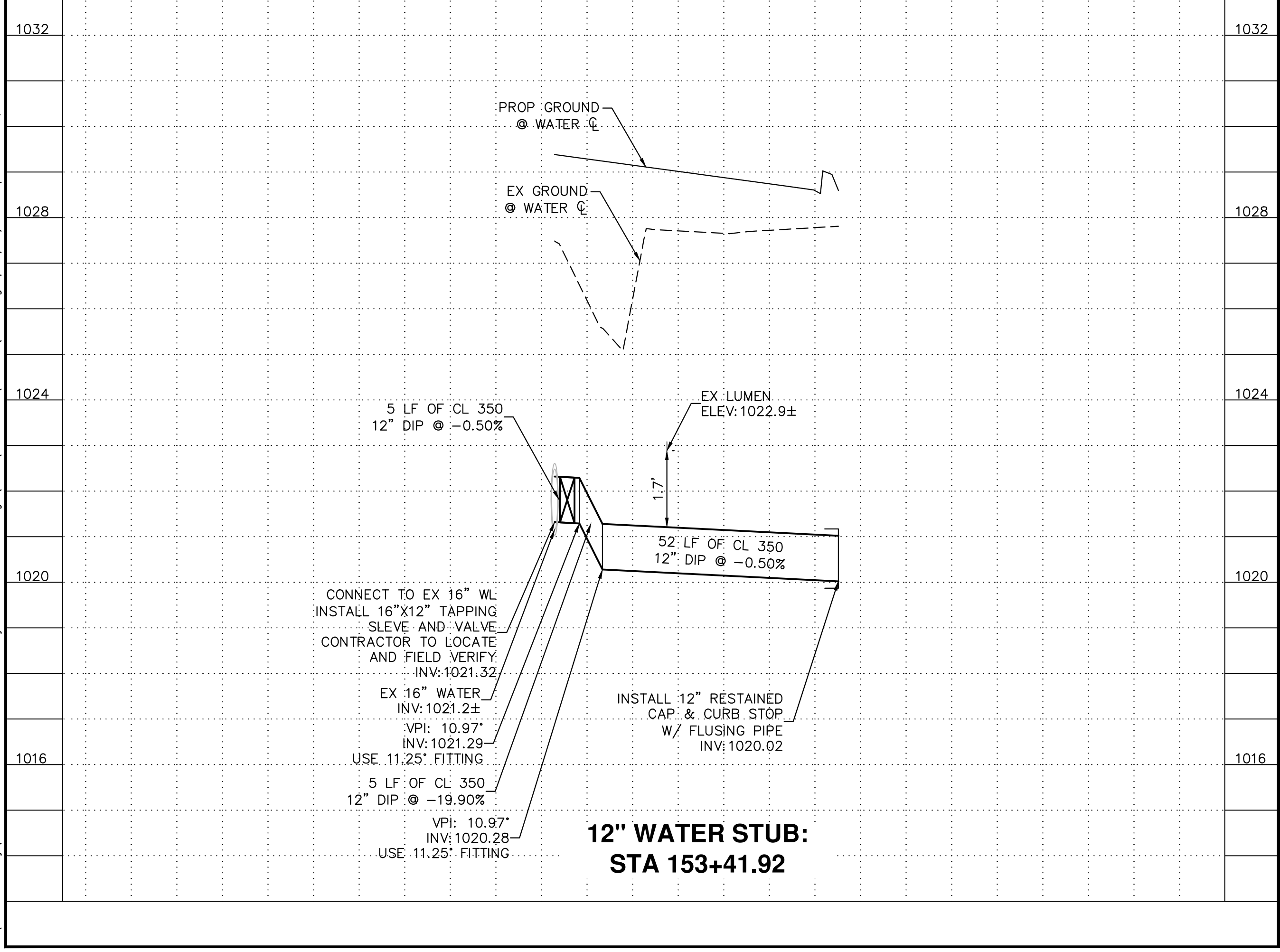
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CONSTRUCTION NOTES			
NO	DESCRIPTION	UNIT	QTY
8	16" X 12" TAPPING SLEEVE & VALVE PER COB STD DTL 31344.	EA	2
9	INSTALL CLASS 350 12" DIP WATERLINE, W/POLY WRAP. TRENCH PER COB STD DTL 31380.	LF	105
10	INSTALL 12" RESTRAINED CAP & CURB STOP WITH FLUSHING PIPE PER MAG DTL 390 TYPE A.	EA	2

REMOVAL AND RELOCATION NOTES			
NO	DESCRIPTION	UNIT	QTY
45	REMOVE EXISTING WATER STUB, SEE CUT & CAP DETAIL SHEET 7	EA	2

NOTES:
 1. CONTRACTOR TO LOCATE AND FIELD VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 2. ALL WATERLINES ON THIS SHEET SHALL BE CONSTRUCTED WITH RESTRAINED JOINTS.
 3. SEE SHEETS 8-48 FOR ROADWAY IMPROVEMENTS.
 4. WHEN CONNECTING TO OR REPLACING EXISTING WATER MAINS, EXTREME CAUTION SHOULD BE TAKEN TO ASSURE MINIMUM DISRUPTION AND DOWN TIME TO EXISTING CUSTOMERS. IN MOST CASES, MAXIMUM DOWN TIME WILL BE EIGHT HOURS. IN EXTREME CASES, MAXIMUM ALLOWABLE DOWN TIME WILL BE TWELVE HOURS. ALL OUTAGES SHALL BE COORDINATED WITH THE CITY WATER RESOURCES DEPARTMENT.



H: 1"=20'
 HORIZ. 0 10 20 40
 VERT. 0 1 2 4
 V: 1"=2'

REVISIONS:

1	2	3
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PLAN NAME: MILLER ROAD LOWER BUCKEYE ROAD TO PIMA STREET ROADWAY IMPROVEMENTS WATER PLAN & PROFILE

ENGINEER INFORMATION: **Kimley»Horn**
 7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

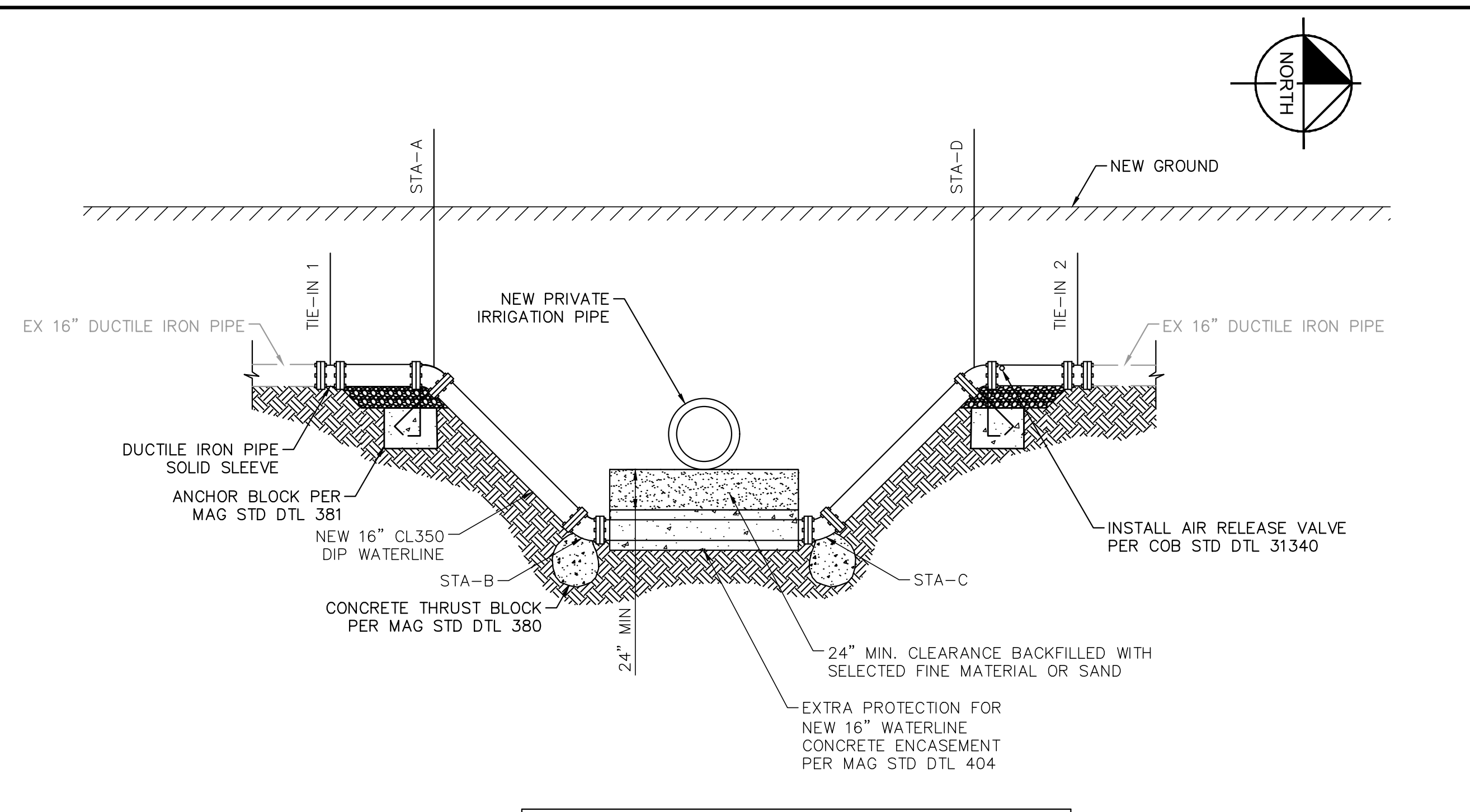
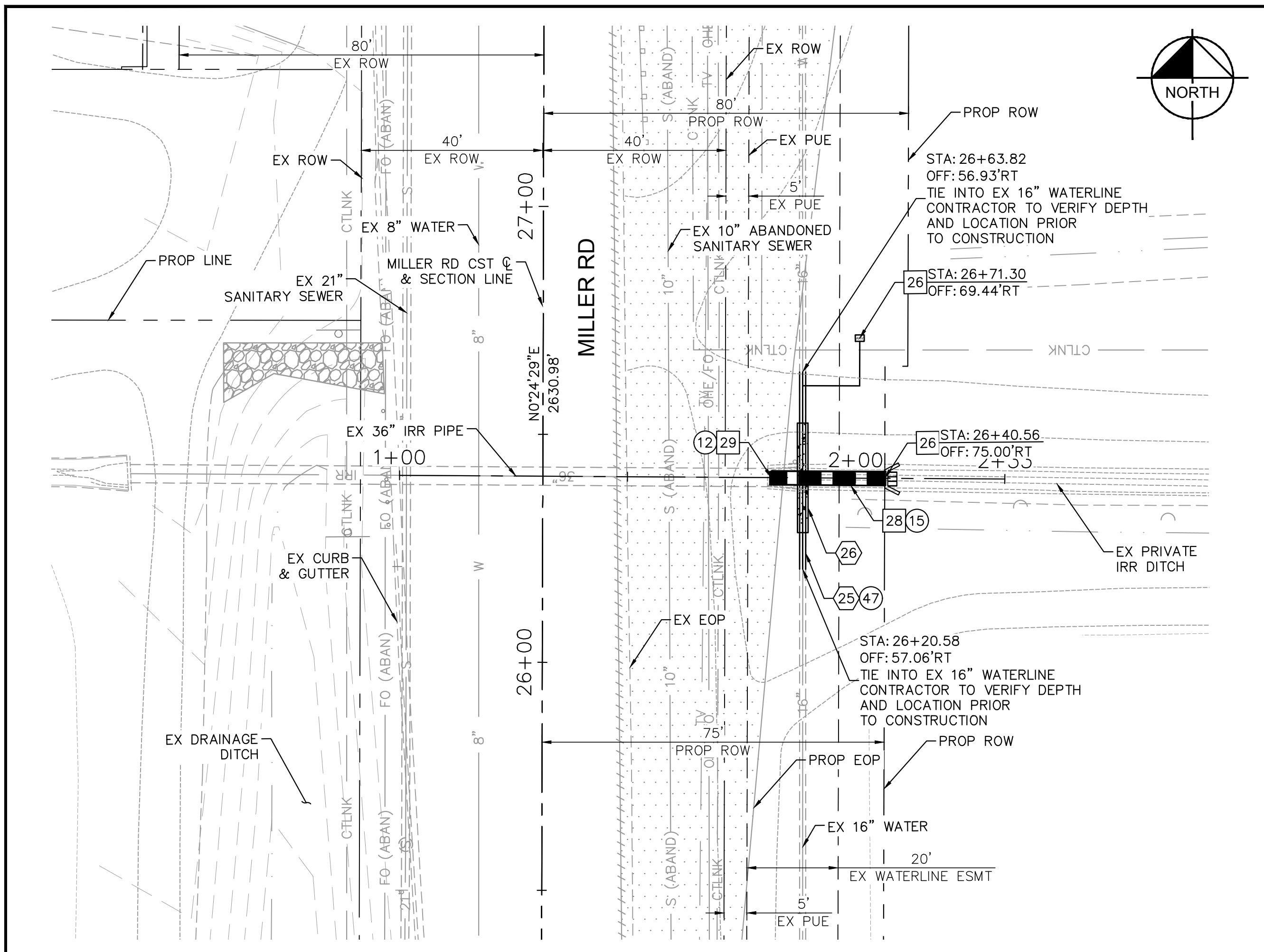
COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL

ORIGINAL PLAN DATE: 03/28/2024	LATEST REVISION DATE:
PROJECT NUMBER: CIP #105260	SHEET NUMBER: 132 OF 133

SUBMITTAL: **FINAL**

COB PLAN TRACKING #
 N/A
 COB PERMIT #
 ENGMJRPCP-21-003

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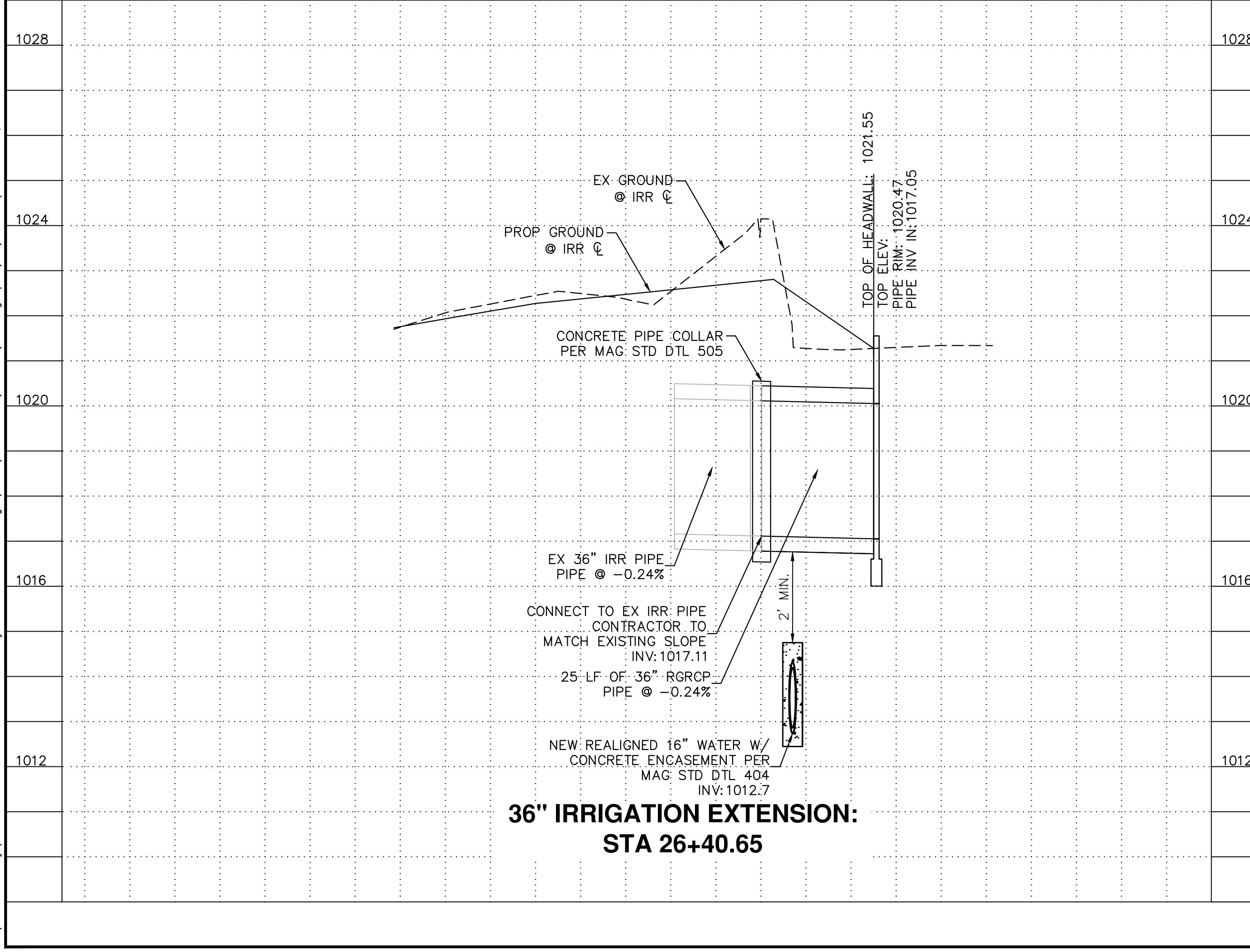


16-INCH DIPPED WATERLINE DETAILS

LOCATION	MILLER RD CONST & STATION	OFFSET	INVERT ELEVATION
TIE-IN 1	26+20.58	57.06' RT	1015.9±
STA-A	26+22.39	57.06' RT	1015.92
STA-B	26+25.57	57.04' RT	1012.72
STA-C	26+55.59	56.96' RT	1012.91
STA-D	26+58.82	56.95' RT	1016.14
TIE-IN 2	26+63.82	56.93' RT	1016.1±

- GENERAL NOTES:
- ALL PIPE AND FITTINGS FOR VERTICAL PIPE REALIGNMENT TO BE DUCTILE IRON.
 - ALL JOINTS TO BE RESTRAINED.

16-INCH WATERLINE VERTICAL REALIGNMENT DETAIL
NOT TO SCALE



36\"/>

CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY
26	CONCRETE HEADWALL PER MAG DTL 501-1, U-TYPE, MODIFIED WITH CONCRETE APRON AND TRASH RACK PER COB DTL B-508	EA	1
28	36\"/>	LF	25
29	CONCRETE PIPE COLLAR PER MAG DTL 505	EA	1
36	2\"/>	EA	1

UTILITY CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY
25	INSTALL CLASS 350 16\"/>	LF	44
26	CONCRETE ENCASEMENT PER MAG DTL 404	LF	25

REMOVAL AND RELOCATION NOTES

NO	DESCRIPTION	UNIT	QTY
12	REMOVE EXIST CONCRETE HEADWALL	EA	1
15	REMOVE EXIST CONCRETE IRRIGATION DITCH	LF	34
47	REMOVE EXIST 16\"/>	LF	44

NOTES:

- CONTRACTOR TO POTHOLE AND VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO VERIFY PRIVATE IRRIGATION INVERT ELEVATIONS AND PIPE SLOPES PRIOR TO CONSTRUCTION OF NEW PIPE. NEW PIPE INVERT ELEVATIONS AND SLOPES TO MATCH EXISTING.
- EXISTING 16\"/>
- SEE SHEETS 8-48 FOR ROADWAY IMPROVEMENTS.
- WHEN CONNECTING TO OR REPLACING EXISTING WATER MAINS, EXTREME CAUTION SHOULD BE TAKEN TO ASSURE MINIMUM DISRUPTION AND DOWN TIME TO EXISTING CUSTOMERS. IN MOST CASES, MAXIMUM DOWN TIME WILL BE EIGHT HOURS. IN EXTREME CASES, MAXIMUM ALLOWABLE DOWN TIME WILL BE TWELVE HOURS. ALL OUTAGES SHALL BE COORDINATED WITH THE CITY WATER RESOURCES DEPARTMENT.

H: 1"=20'
HORIZ. 0 10 20 40
VERT. 0 1 2 4
V: 1"=2'

REVISIONS:

1	
2	
3	

PLAN NAME: MILLER ROAD
LOWER BUCKEYE ROAD TO PIMA STREET
ROADWAY IMPROVEMENTS
IRRIGATION PROFILE

ENGINEER INFORMATION
Kimley»Horn
7740 N 16TH ST, SUITE 300, PHOENIX, AZ 85020 | 602-944-5500

COB PERMITTING APPROVED SEAL	COB ENGINEERING APPROVED SEAL
AS-BUILT SEAL	DESIGN SEAL

REGISTERED PROFESSIONAL ENGINEER
77040
BRYAN D. BRUNSON
03/29/2024
ARIZONA, U.S.A.
Expires 12/31/25

ORIGINAL PLAN DATE: 03/28/2024
LATEST REVISION DATE: []

PROJECT NUMBER: CIP #105260
SHEET NUMBER: 133 OF 133

COB PLAN TRACKING # []
COB PERMIT # []
ENG/MJ/RC/P-21-003

FINAL